

## Owner's Manual

Important! Return your Warranty Registration Card within 10 days. See why inside.

Easy Taping

SdlllHd



SdMiHd

## ensure you receive all the benefits you're entitled to. Return your Warranty Registration card today to

chase at once. And take advantage of these important benefits. PHILIPS product. So complete and return the Warranty Registration Card enclosed with your pur-Once your PHILIPS purchase is registered, you're eligible to receive all the privileges of owning a

## Registration **Podel**

Know these

for as the owner of your model. and special offers which you qualify tees you'll receive all the information Registration Card right away guaran-Returning your Warranty

## Confirmation Owner

event of product theft or loss. verification of ownership in the Registration Card serves as Your completed Warranty

## Verification Warranty

PHILIPS warrancy. terms and conditions of your imum protection under the 10 days confirms your right to max-Registering your product within

SdIIIHd

welcome to the "family!" Congratulations on your purchase, and

## Dear PHILIPS product owner:

many years to come. everything in our power to keep you happy with your purchase for the best-built, best-backed products available today. And we'll do Thank you for your confidence in PHILIPS. You've selected one of

by one of the most comprehensive warranties and outstanding ser-As a member of the PHILIPS "family," you're entitled to protection

accessories from our convenient home shopping network. mation and special offers for which you qualify, plus easy access to What's more, your purchase guarantees you'll receive all the inforvice networks in the industry.

commitment to your total satisfaction. And most importantly you can count on our uncompromising

All of this is our way of saying welcome-and thanks for investing in

a PHILIPS product.

Sincerely,

President and Chief Executive Officer Robert Minkhorst

it to us right now! Card within 10 days. So please mail uct, you must return your Warranty Registration Remember, to get the most from your PHILIPS prod-

For Customer Use

ge ja buise et bonsser insdrign dans la borne correspondante lame la plus large de la fiche choc électriques, introduire la

ATTENTION: Pour éviter les plug to wide slot, fully insert. tric shock, match wide blade of

CAUTION: To prevent elec-

ROUIPMENT TO RAIN OR

FIRE OR SHOCK HAZARD,

**WARNING:** TO PREVENT

prevent operating and mainte-

enclosed literature closely to tor which you should read the

please do not remove product electrical shock. For the safety of everyone in your household,

within your unit may cause an A cates uninsulated material

CAUTION: TO REOUGE THE RISK OF ELECTRIC SHOCK, OO NOT REMOVE COVER (OR BACK), NO USER-SERVICE PERSONNEL,

MOITUAD

safety symbols

-ibni "gninndgil 10 rlod" sidT

calls attention to features

The "exclamation point"

**EXPOSE** THIS

Model No. mation for future reference. the cabinet. Retain this inforwhich is located on the rear of Enter below the Serial No.

Serial No.

MOISTURE

വ

covering.

TON

nance problems.

Visit our World Wide Web Site at http://www.philips.com

## Introduction 3

Welcome to your VCR owner's manual.

This amount of describes the VRB461 and the VRB661. The VRB461 is a monaural (single sound source) system, while the VRB661 is a stereo system. Otherwise, the two models are exactly the same. In this manual, the VRB461 is illustrated. (The VRB461 has single AUDIO IN/OUT jacks. Otherwise, the VRB461 looks exactly like the VRB661.) This manual has seven sections: Setting Up Your VCR; Description of Controls; Basic Operations; Recording; Playing; Additional Features; and Information You May Meed. The instructions explain all of the VCR's features, which are listed below. You cannot hurt your VCR by trying the features! So read on – and relax.

Timer Recording

The VCR Plus+ Programming System

Box, and Direct Broadcast System

S-VHS Quasi Play Back (SQPB)

One-Touch Recording

• 19 micron head

ShowGuard<sup>TM</sup> - Indefinite Timer Recording memory

Remote Control with capability to operate TV, Cable

Time Search

Repeat Play

#### Features

- Automatic Channel Setup
- $\bullet$  Automatic Clock Setting with Time Zone  $\bullet$
- Automatic Head Cleaner
- Blue Background
- Child Lock
- Front Panel Menu Access
- Hi-Fi Stereo Sound System (VRB661 only)
- Lighted Front Panel buttons
   MTS (Multi-Channel Television Sound) System
- (VRB661 only)

## Safety Precautions Warning: To prevent fire

Warning: To prevent fire or shock hazard, do not expose this equipment to rain or moisture.

equipment to rain or moisture.

Federal Communications Commission Warning: Any unauthorized changes or modifications to this equipment void the

user's authority to operate it.
This VCR is equipped with a High Quality (HQ) system and is compati-

ble with existing Video Home System (VHS) equipment. Philips Consumer Electronics Company recommends that you use only video cassette tapes which are labeled with the WHS mark. The use of other tapes may result in poor picture quality and excessive deposits on the video heads, which may not be covered by the warranty if damage

occurs.

Note to the Cable TV System Installer: This reminder is provided to call the Cable TV system installer's attention to Article 820-40 of the National Electrical Code, which provides guidelines for proper grounding — in particular, specifying that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as

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zuəmdiupə ing whenever you reploce existing uct, botteries, monuol, and pockoglotions on disposol of your old brod-Pleose find out obout the locol reguos smoll chemical woste. depleted but should be disposed of should not be thrown owey when Your product uses botteries that to be properly disposed. to minimize the omount that needs omount of reusoble moteriols and your product to increose the Specialized componies con recycle that con be recycled and reused. the pockoging contoin moteriols This monuol, your new product, and

## Declaration of Conformity Model Mimber: Versel Allerance

possible.

Model Number: VRB461AT/VRB661AT Trade Name: Philips Responsible Party: Philips Consumer Elect

ty: Philips Consumer Electronics PO. Box 14810

Knoxville, TN 37914-1810 (865) 521-4316

As an ENERGY STAR® Partner, Philips Consumer Electronics Company has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. ENERGY STAR® label can save energy. Saving energy reduces air pollution and lowers utility bills. energy reduces all pollution and lowers utility bills. Consumer Electronics Company. All rights

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Basic Operations Playing
Description of Controls  Remote Control Buttons  23-24  Acreen Status Displays  3C
Setting Up Your VCR  8.

## Removing the Plastic Cover from the Front Panel

Before using the VCR, lift a corner of the plastic, then peel it off. A thin, plastic cover may protect the front panel of your VCR.

# Putting Batteries in the Remote Control

remote control by sliding it in the direction of the arrow. Remove the battery compartment lid on the bottom of the

with their + and - ends aligned as indicated. Place two AA batteries inside the battery compartment

Replace the battery compartment lid.

## Using the Remote Control

- ton when using the remote control to operate the VCR. Point the remote control at the VCR, then press the VCR but-
- when using the remote control to operate the TV. Point the remote control at the TV, then press the TV button
- remote control to operate the Cable Box or DBS. System (DBS), then press the CBL/DBS button when using the • Point the remote control at the Cable Box or Direct Broadcast

## Recording Prevention

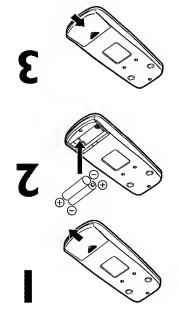
are not accidentally erased. Video cassette tapes have record tabs to ensure that recordings

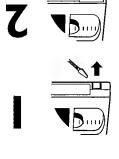
To prevent recording, break off the tab with a screwdriver.

To allow recording, cover the hole with cellophane tape.

#### **VCR** maintenance

- Remove any light adhesive stick-on notes from the video cas-Use only tapes with the WHS mark.
- can jam the VCR. sette tape before putting the tape in the VCR. Removable labels
- Only an authorized service center should perform this service. However, the video heads will require replacement eventually. lent performance. This VCR has an Automatic Head Cleaner. Periodic maintenance is required to maintain your VCR's excel-





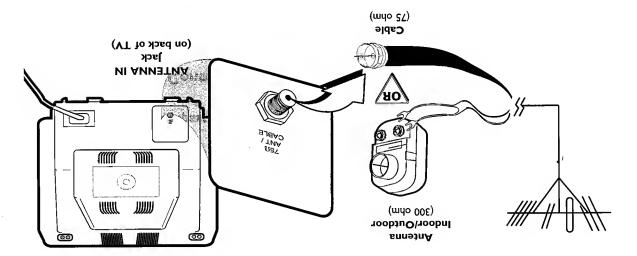
#### Helpful Hints

- ganese batteries. Do not mix alkaline and man-
- Do not mix old and new batteries.

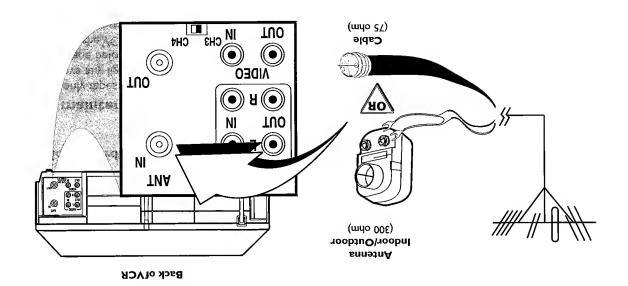
## 6 Hookups without a Cable Box/Direct Broadcast System

The basic VCR/TV connection – antennal cable to VCR to TV – is shown below. If you have a Cable Box or a Direct Broadcast System, please see pages eight-nine. If you have a Stereo TV, please see page 10. After you hook up the VCR, go to page 11 to turn on the VCR. (The VRB661 is illustrated here. The VRB461 has single AUDIO IN/OUT jacks.)

Disconnect the antenna or cable from your TV.



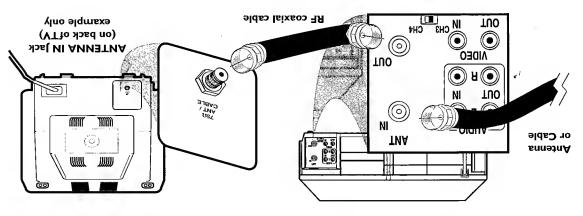
Connect the antenna or cable to the ANT(enna) IN Jack of your VCR.



## Hookups without a Cable Box/Direct Broadcast System (cont'd) 7

3

Connect the RF coaxial cable (supplied) to the OUT Jack on the back of the VCR and to the ANTENNA IN Jack on the TV. (You may use either a snap-on type (supplied) or screw-on type of coaxial cable, whichever you prefer.)

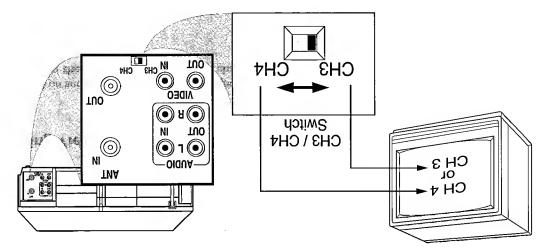


Þ

Plug in the TV and the VCR.

5

Set the CH3/CH4 switch on the back of the VCR to CH3 or CH4, whichever channel is not used or least used in your area. Set the TV to the same channel. For example, when playing a tape, if the CH3/CH4 switch is set to CH3, the TV should be on channel 03.



9

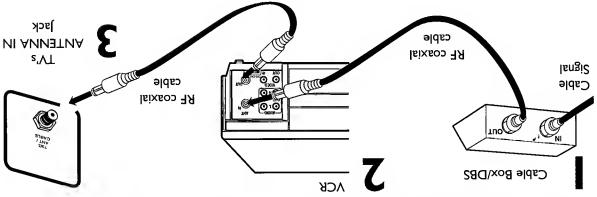
You are ready to turn on the VCR. Please go to page 11 before turning on the VCR.

## 8 Hookups with a Cable Box/Direct Broadcast System

There are two ways to connect your Cable Box/DBS to the VCR. With this connection:

- You may view any channel.
- ◆ You must select channels at the Cable Box/DBS. Channels cannot be changed at the VCR.
- You may not view a channel other than the one you are recording.
- You may not program channels at the VCR.
- You can only program a timer recording for one channel at a time. Set the TV and the VCR to the Cable Box/DB5 output channel (channel 03 or 04). Set the CH3/CH4 switch to the same channel. Set your Cable Box/DB5 to the channel you want to record.When you enter the channel you want to recording, select channel 03 or 04 (the Cable Box/DB5 output channel). (This is step 5 on page 34.) Leave the Cable Box/DB5 on for a timer or 04 (the Cable Box/DB5 on for a timer or 04 (the Cable Box/DB5).
- recording.

  If you use the VCR Plus+ Programming system, set the Cable/TV channel to 03 or 04 (Cable Box/DB5 output channel) for every VCR Plus+ channel in the VCR Plus+ Cross Reference Map. You must set the Cable Box/DB5 to the channel you want to record; leave the Cable Box/DB5 on for the timer recording. Details are on page 39.



#### Connections

Connect a Cable signal to the IN Jack on the Cable Box/DBS.

7

Use an RF coaxial cable (supplied) to connect the OUT Jack on the Cable Box/DBS to the ANT(enna) IN Jack on the VCR.

3

Use a second RF coaxial cable to connect the OUT Jack on the VCR to the TV's ANTENNA IN Jack.

## Recording/Viewing Any Channel

With the VCR on and in VCR position (the VCR light will appear on the display panel), set the VCR to the Cable Box/DBS output channel (03 or 04).

7

Set the TV to the same channel to which you set the VCR. Set the CH3/CH4 switch on the VCR to the same channel.

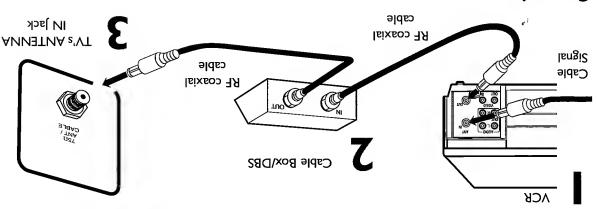
3

Select the channel you want to view/record at the Cable Box/DBS.

## Hookups with a Cable BoxIDirect Broadcast System (cont'd) 9

With this connection:

- You may watch one channel while recording another.
- You may not record scrambled channels.



## Connections

Connect a Cable signal to the VCR's ANT(enna) IN Jack.

Use an B

Use an RF coaxial cable (supplied) to connect the OUT Jack on the VCR to the IN Jack on the Cable Box/DBS.

3

Use a second RF coaxial cable to connect the OUT Jack on the Cable Box/DB5 to the ANTENNA IN Jack on the TV.

Recording One Channel/Watching Another

Put the Cable Box/DB5 on the same channel as the VCR's CH3/CH4 switch. Set the TV to the Cable Box/DB5 output channel (03 or 04). Then, with the VCR in VCR position (the VCR light will appear on the display panel), use the CH(annel) ▲/▼ button to select the channel you want to record at the VCR. Start the recording.

7

Press the VCR/TV button once to put the VCR in TV position. (The VCR light will disappear.)

3

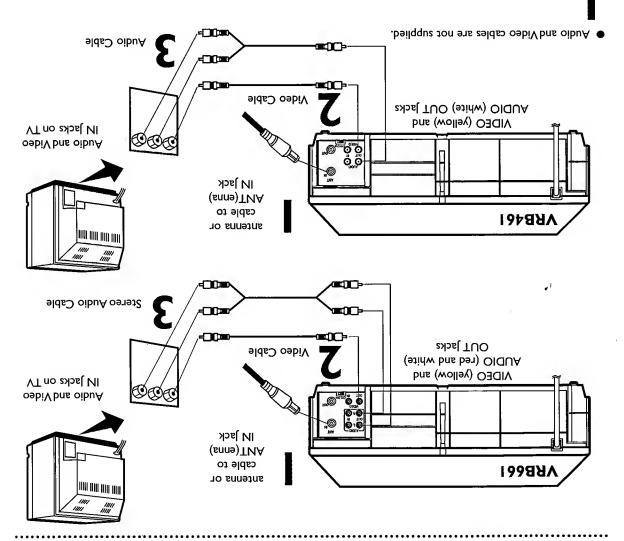
Select the channel you want to watch at the Cable Box/DBS.



To return to the channel you are recording, set the Cable Box/DBS to the same channel as the VCR's CH3/CH4 switch. Press the VCR/IV button so that the VCR is in VCR position again. The VCR light will appear on the display panel. The channel you are recording will appear on the screen. Press the STOP/▼ button to stop recording.

#### Helpful Hint

When you play a tape, make sure the Cable Box/DBS is set to the same channel as the CH3/CH4 switch on the VCR. Set the TV to the Cable Box/DBS output channel (03 or 04).



Connect the antenna or cable to the ANT(enna) IM Jack on the back of the VCR.

the other end of the video cable to the VIDEO IN Jack on your TV. Connect a video cable to the yellow VIDEO OUT Jack on the back of the VCR. Then, connect

**VRB661** 

**ABB461** 

VCR. Then, connect the other end of the audio cable to the AUDIO IN Jacks on your TV. Connect a stereo audio cable to the red and white AUDIO OUT Jacks on the back of the

the connections on pages six - seven and select the channel to be viewed at the TV (with the VCR turned off). audio to the TV's right and left channels.) This hookup will not give you stereo sound To get stereo sound, use (If your TV has Right and Left AUDIO IN Jacks, you must use a "Y" splitter audio cable as illustrated to deliver Connect an audio cable to the white AUDIO OUT Jack on the back of the VCR. Then, connect the other end of the audio cable to the AUDIO IN Jack on your TV.

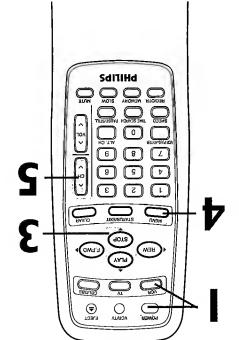
Turn on your TV, making sure it is in Line Input mode. Please refer to your TV owner's manual for details.

VI Jurn on the TV.

power cord into the wall outlet for the first time. Before turning on your VCR, make sure there are batteries in the

You can not program channels if you are using a Cable Box or a

VCR and plug in the power cord. The time will appear on the automatically after you connect the antennal Cable signal to the



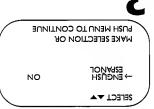
Follow the steps on this page only when you plug the VCR remote control and the VCR and TV are connected correctly.

 If you are not using a Cable Box/DBS, the clock may set itself Direct Broadcast System.

display panel.

panel. VCR light and the PWR. (power) light will appear on the display Press the VCR button, then press the POWER button. The

page 20 to select a language.) pookups, then follow the steps on page 12 to set up channels and below will appear. (If the display does not appear, check your CH3/CH4 switch on the back of the VCR. The display shown Turn on the TV. Set it to the same channel as the



plays and menus. STOP/▼ button to select English or Spanish on-screen dis-Within 60 seconds, press the PLAY/▲ button or the

Press the MENU button. The display shown below will appear.

FOR PLAY ONLY - PUSH STOP PUSH CH UP KEY CONNECT ANTENNA OR CABLE TO YCR

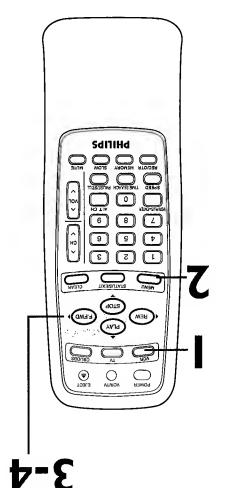
through channels that you receive. Now, when you press the CH(annel) ▲/▼ button, you'll only scan appear on the screen briefly, then TV programming will appear. nels. When all channels are memorized, CHANNELS ARE SET will numbers will appear on the display panel as the VCR scans chanscreen. The VCR will memorize all available channels. The channel GRAMMING IN PROCESS PLEASE WAIT will appear on the begin automatic channel programming. AUTO CH PRO-Within 60 seconds, press the CH(annel) ▲ button to

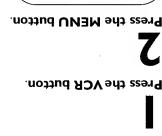
## Helbful Hints

- When you turn an the VCR again SET will appear an the screen. grammed, and CHANNELS NOT tan. Channels will nat be praskip step 5, press the 5TOP/▼ butscreen displays will be in English. Io 3, press the MENU buttan. All anrecard tab remaved. Or, ta skip step immediately, insert a tape with its Ta skip this feature and play a tape
- when there is no antenno or cable If you try to bragram channels an þages 15-18. regarding AUTO CLOCK. Details are later, yau may see a message
- the steps an page 12. buttan again. Yau may need ta follaw Jack and press the CH(annel) cable ta the VCR's ANT(enna) IN will appear. Cannect an antenna ar tually a NO TV SIGNALS message will appear ta take place, but evencannected to the VCR, pragramming

## 12 Automatic Channel Setup

Although your VCR may automatically memorize the channels you receive when you turn it on for the first time, this function lets you set up the channels again.





TO END PUSH EXIT

→ PROGRAM

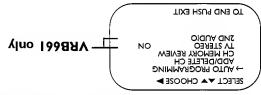
TUNER SET UP

SET CLOCK

TUNER SET UP

SELECT A▼ CHOOSE ►

Press the PLAY/▲ button or the STOP/▼ button to select TUNER SET UP, then press the F.FWD/▶ button.



Press the PLAY\▲ button or the STOP\▼ button to select AUTO PROGRAMING, then press the F.FWD\▶ button. The VCR distinguishes between TV channels and cable channels, and the VCR will memorize all the channels you receive.



### Helpful Hints

- are using a Cable Bax ar DBS.

  If you have an antenna, channels 269 will be available. If you have a
  cable cannectian, channels 1-125

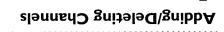
will be available.

Wait for a few minutes while the VCR sets up the channels. When this is complete, CHANNELS ARE SET will appear on the screen. Then the programming of the lowest channel number placed in the VCR's memory will appear on the screen. Now when you press the CH(annel) ▲/▼ button, you will scan only through channels you receive.

PHILIPS

9-8

Z



Press the VCR button.

7

Press the MENU button.

3

Press the PLAY\▲ button or the STOP/▼ button to select TUNER SET UP, then press the F.FWD/▶ button.

7

Press the PLAY\▲ button or the STOP\▼ button to select ADD/DELETE CH, then press the F.FWD\▼ button.

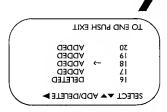
TO END BORH EXIT

10 END BORED
13 YEIELED
13 YEIELED
13 YEIELED
2 YEIELED
2 YEIELED
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2 YEIELED
3 YEIELED
2 YEIELED
3 YEIELED
3 YEIELED
4 YEIELED

NOTE: If you have an antenna, channel numbers 2-69 will appear on the ADD/DELETE CH menu. If you have a cable connection, channels 1-15 will be available.

5

Press the PLAY\▲ button or the STOP/▼ button until the channel number you want to add or delete appears beside the arrow.



Press the FFWD/▶ button to select ADDED or DELET-ED. Repeat steps 5 and 6 until you have added or deleted all the channels you wanted to add or delete.

L

Press the STATUS/EXIT button.

## 14 Automatic Channel Setup (cont'd)



Press the VCR button.

Press the MENU button.

SET CLOCK

TUNER SET UP

TUNER SET UP

SELECT ▲▼ CHOOSE ▶

TUNER SET UP

SET CLOCK

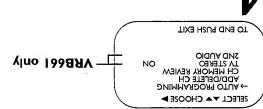
TO END PUSH EXIT

',

Press the PLAY\▲ button or the STOP\▼ button to select TUNER SET UP, then press the F.FWD\▶ button.

PHILIPS

VCR/TV



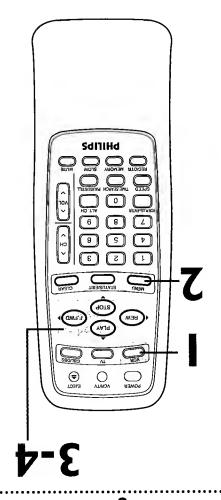
Press the PLAY\▲ button or the STOP/▼ button to select CH MEMORY REVIEW, then press the F.FWD/▶ button.

- A list of programmed channels will appear on the screen, press the
   If all the programmed channels don't fit on the screen, press the
   FFWD/▶ button to see the remaining channels. Then press the
   RFW(ind)/▼ button to return to the first screen of channels.
- REW(ind)/◀ button to return to the first screen of channels.

  If you do not press any buttons within 10 seconds, you will either go to the next screen of channels or you will return to the previous menu.

S

Press the STATUS/EXIT button once or twice to exit.



There are two ways to set the clock. With manual clock setting, you tell the VCR the current time. With automatic clock setting, the VCR gets the current time from your local PBS station. It keeps track of the time by constantly referring to the time broad-casted by your PBS station.

If you are using a Cable Box or Direct Broadcast System,

you must set the clock manually.

Follow the instructions under either manual clock setting or automatic clock setting (page 17) to set the VCR's clock. Before you

begin, make sure:

The VCR is hooked up and turned on, and channels are pro-

grammed into the VCR's memory (see pages six-12).

The VCR is in VCR position. The VCR light will appear on the display panel. If it does not, press the VCR/TV button once.

Do each step within 60 seconds of the previous step.

## Manual Clock Setting

Press the VCR button.

Press the MENU button.

SEFECT A CHOOSE P

SET CLOCK

TUNER SET UP

TUNER SET UP

TO END PUSH EXIT

Press the PLAY\▲ button or the STOP/▼ button to select SET CLOCK, then press the F.FWD/▼ button.



#### Helpful Hints

To display the time on the TV
 screen, press the STATUS/EXIT but ton. Details are on page 25.
 Power failures that last for more
 than one minute can cause you to
 lose your clock setting if you set the
 clock manually. If this happens, reset
 clock manually. If this happens, reset

the clock.

Press the PLAY/▲ button or the STOP/▼ button to select SET MANUAL CLOCK, then press the F.FWD/▶ button.

TIME --:--

Instructions continue on page 16.

# 16 Setting the Clock (cont'd)

or 2 for PM. For example, for 2:15 PM, press 02, 15, 2. Manber buttons for the minute(s). Then press I for MA Press two Number buttons for the hour(s) and two

- 🐠 Enter a 0 before a single-digit number.
- will cause a question mark (?) to appear on the screen. ● Entries that do not match the VCR's internal calendar or clock
- for the number you want to correct is flashing. Then enter the ■ To make corrections, press the CLEAR button until the space

correct number.

-/--/--HTNOM M9 21: S0 3MIT

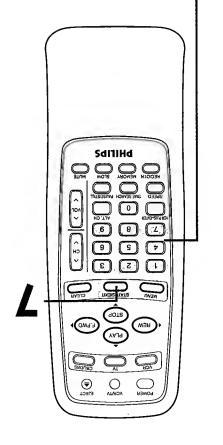
TO END PUSH EXIT TO CORRECT PUSH CLEAR

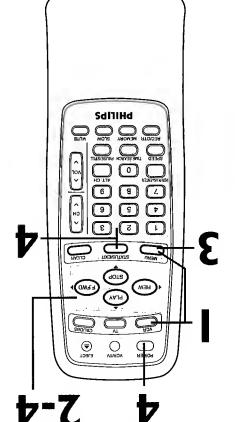
will appear automatically. For example, for July 1, 2000, press 07, 01, 00. The day of the week buttons for the day, and two Number buttons for the year. Press two Number buttons for the month, two Number

ΣΥΣ DATE 07/ 01 / 00 MR 81: 20 BMIT

TO END PUSH EXIT TO CORRECT PUSH CLEAR

will appear on the VCR display panel. screen will return to the program you were watching. The time Press the STATUS/EXIT button to start the clock. The





Automatic Clock Setting

Press the VCR button, then press the MENU button.



Press the PLAY\▲ button or the STOP\▼ button.

SET CLOCK, then press the F.FWD\▶ button.

If OFF appears to the right of AUTO CLOCK, press the EFWD/P button to select OM. Then, press the MENU button. Go to step 4.

press the MENU button. Go to step 4.

TO END DISH EXIL

SELECT ▲▼ CHOOSE ►

SEL PES CH, MANUAL

SET PES CH, MANUAL

SET PES CH, MANUAL

OCIOCK USES

AUTO CLOCK

OCIOCK

OCIOCK

TO END PUSH EXIT

#### Helpful Hints

- If you enter on incorrect PBS channel number ot step 4, press the CLEAR button to erose the incorrect chonnel, then enter the correct chonnel number.
- If you hove on ontenno, you may select channels 2-69 ot step 4. If you have a coble connection, you may select channels 1-125.
   The clock connot be set outomation.
- cally if you don't receive o channel that corries o time signol in your area. Set the clock monuolly.

  If there ore only o few chonnels in your oreo thot corry time signals,
- your oreo thot corry time signals, setting the clock outomoticolly moy take several minutes. If nothing hoppens even ofter you woit several minutes, set the clock monually. You connot select AUTO CLOCK at step 3 during tope ploybock.

- If you want the VCR to locate a local PBS station from which to take the time, press the PLAY/▲ button or the STOP/▼ button to select SET PBS CH. AUTO. Then press the F.F.WD/► button. When the current time appears on the screen, you're finished. Press the STATUS/EXIT button. Or, you may be prompted to turn off the VCR. Turn off the VCR power, and leave it off for several minutes. When the current time appears on the VCR display panel, the clock is set. You may turn on the VCR again.
- If you want to tell the VCR the PBS station from which to take the time, press the PLAY/▲ button or the STOP/▼ button to select SET PBS CH. MANUAL. Press the F.FWD/▼ button, then use the Number buttons to enter the channel number of the desired PBS station. When the current time appears on the screen, you're finished. Press the STATUS/EXIT button.

NOTE: CANNOT FIND PBS CLOCK DATA moy flosh on the screen. Press the PLAYI▲ button or the STOPI♥ button to choose SELECT NEW PBS CH., then press the FFWDI♠ button. Use the Number buttons to enter the chonnel number of onother PBS stotion. Or, press the PLAYI♠ button or the STOPI♥ button to select SET PBS CH.AUTO. Press the FFWDI♠ button. You will be prompted to turn off the VCR. Jurn off the VCR power, and leave it off for several minutes. When the current time oppears on the VCR display panel, the clock is set. You may turn on the VCR ogain.

## 18 Setting the Clock (cont'd)

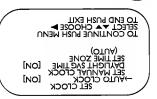


When using the AUTO CLOCK function, you can specify your time zone. That way, the VCR will update the clock according to your time zone.

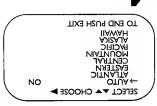
Press the VCR button, then press the MENU button.



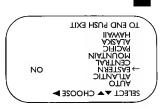
Press the PLAY/▲ button or the STOP/▼ button to select SET CLOCK, then press the F.FWD/► button.



SET TIME ZONE, then press the FFWD/▼ button to select



Press the PLAY\▲ button or the STOP\▼ button to select your time zone. ON will appear beside your choice.



Press the STATUS/EXIT button.

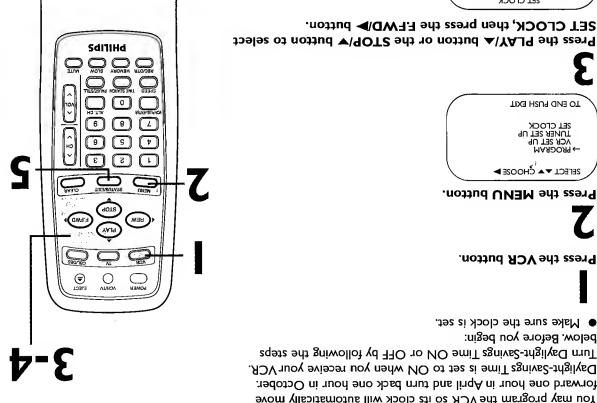
# Helpful Hints

**SdITIHd** 

 You may need to turn off the VCR to enable the VCR to set its clock for

 SET TIME ZONE will not appear in the menu if AUTO CLOCK is set to

your time zone.



below. Before you begin: Turn Daylight-Savings Time ON or OFF by following the steps Daylight-Savings Time is set to ON when you receive your VCR. forward one hour in April and turn back one hour in October. You may program the VCR so its clock will automatically move

Press the VCR button.

Press the MENU button.

TO END PUSH EXIT VCR SET UP TUNER SET UP SET CLOCK SELECT ▲▼ GHOOSE ▶

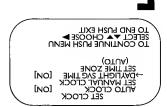
SET CLOCK, then press the F.FWD/▶ button. Press the PLAY/▲ button or the STOP/▼ button to select

TO END PUSH EXIT

TO CONTINUE PUSH MENU

TO CONTINUE PUSH MENU [NO] [NO]

so that OFF (or ON) appears beside DAYLIGHT SVG DAYLIGHT SVG TIME. Then, press the F.FWD\▶ button Press the PLAY\▲ button or the STOP/▼ button to select



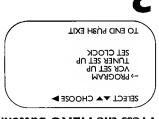
Press the STATUS/EXIT button.

## 20 Language Selection

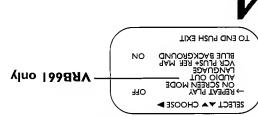
displays and menus. Follow the steps below to change the language of the on-screen



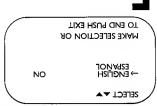
Press the MENU button.



VCR SET UP, then press the FFWD/▶ button. Press the PLAY\▲ button or the STOP/▼ button to select



LANGUAGE, then press the F.FWD/▶ button. Press the PLAY/▲ button or the STOP/▼ button to select



#### Helpful Hint

PHILIPS

3-5

0

- and need English: If you accidentally select Spanish
- 2. Press the MENU button. 1. Press the VCR button.
- 3. Press the PLAY\▲ button or the
- STOP/▼ button to select PREPARE
- ELVCR, then press the FFWDI►
- STOP/▼ button to select LENGUA-4. Press the PLAYI▲ button or the
- STOP/▼ button to select ENGLISH. 5. Press the PLAY\▲ button or the JE, then press the F.FWD/▶ button.

6. Press the STATUS/EXIT button.

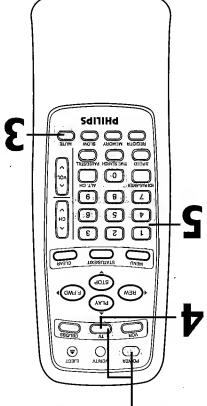
English or Spanish on-screen displays and menus. Press the PLAY/▲ button or the STOP/▼ button to select

Press the STATUS/EXIT button.

## 15 VT a String the Remote to Operate a TV 21

**86** 2 Find your V code.

Your VCR remote control may operate your TV. If the remote control doesn't operate your TV now, follow the steps below.



7
step 2.
doesn't turn on or off, or if the other buttons don't work, go to
or off, try the other TV buttons (see pages 23-24). If your TV
button. Then, press the POWER button. If your TV turns on
Point the remote control at your TV and press the TV

Find the brand of your TV on the list below, and remember the two-digit number beside it.

ZENITH NEW TEN TE	10 OOAD-OINOOANA I
ZENITH HTIN3Z	PANASONIC-GAOO07
80 A8IHSOT	PANASONIC
60 YNOS	41 GAAW YABMODTHOM
91qAAHS	£1 IHSIBUSTIM
SEARS	€1 STNAAAM
ttOYNAS	E0, S0, 10 XOVANĐAM
₹₽₩SWDSWAS	17VC05
01ADA	St12
TO AASAUQ	GOLDSTAR04
PHILIPS MAGNAVOX01, 02, 03	0110
10	FISHER1
PHILCO14	EMERSON14
ODES	O VT

## Press the MUTE button.

Within 30 seconds, press the TV button.

5

Within 30 seconds, press the Number buttons to enter the two-digit code for your TV brand. For example, if you have a Zenith TV, press Number buttons 0, 6.

9

Repeat step 1. If the remote control works your TV, you're finished. If the remote control still doesn't work your TV, repeat steps 3-5, using a different code for your brand (if available).

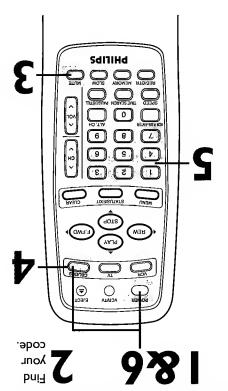
# There is no guarantee that the remote will work your TV.

## Helpful Hints

- The remote control may only operate some features of your TV. For example, the remote control may turn on the TV power, but it may not change channels at the TV.
- If you can not change the channels at the TV using the Number buttons, press the VCR PLUS+/ENTER buttons. It may change channels at the TV.
- When you replace the batteries in the remote control, you must program the remote control again.

Remember to point the remote control toward the TV during steps 1-6.

## 22 Setting the Remote to Operate a Cable BoxIDirect Broadcast System



There is no guarantee that the remote will work your Cable Box or DBS.

#### Helpful Hints

- The remote control may only operate some features of your Cable Box/DBS, turn off the Cable Box/DBS power, but it may not change channels at the Cable Box/DBS.
- If you can not change the channels at the Cable Box by using the NUR Number buttons, press the VCR press the Number buttons. It may bress the Number buttons. It may change channels at the Cable Box.
- remote control, you will have to program the remote control again. Remember to point the remote control toward the Cable Box/DBS dur-
- ing steps 1-6.

  Some Cable Boxes can only be turned on at the Cable Box.

Your VCR remote control may operate your Cable Box or Direct Broadcast System (DBS). If the remote control doesn't operate your Cable Box or DBS now, follow the steps below.

Turn on the Cable Box/DBS. Then, point the remote control at your Cable Box/DBS and press the CBL/DBS button. Then, press the POWER button. If your Cable Box/DBS turns off, try the other Cable Box/DBS buttons (see pages 23-24). If your Cable Box/DBS doesn't turn off, or if the other buttons don't work, go to step 2.

— Find the brand of your Cable Box or DBS on the lists below and remember the two-digit number beside it.

	CABLE BOX CODE	· · · · · · · · · · · · · · · · · · ·
SAMSUNG06, 40, 42, 51 SIGNAL26 SIGNAL26 SL MARX26 SL MARX26	MAGNAVOX	CENTURY
SE MIN N. S.	OAK11, 46 OAK SIGMA11, 46 OAK SIGMA11, 46	CONTIS
STARGATE04, 06, 30, UNIVERSAL04, 06, 30, UNIVERSAL42, 44, 52 TOCOM01, 33, 34, 42 UNIKA01, 33, 34, 45 TOCOM01, 33, 34, 45 TOCOM01, 33, 34, 45 TOCOM01, 33, 34, 45 TOCOM01, 33, 44, 52 TOCOM01, 34, 44, 52 TOCOM	BECOTON	EASTERN/REGENCY GENERAL ELECTRIC 42, 44, 52 GENINI/JASCO04 GENINI/JASCO04
VIEWSTAR66, 40, 62 ZENITH07, 23, 50	REGAL15, 15, 28, 41 HEMBRANDT 01, 42, 44	GENERAL INSTRUMËNT 01, 02, 03, 04, 34, 83 HAMLIN14, 15, 28, 41 JERROLD01, 02, 03,

#### DIRECT BROADCAST SYSTEM CODES

86......NOS

MAGNAVOX......94,95 RCA.........

04, 34, 83

Press the MUTE button.

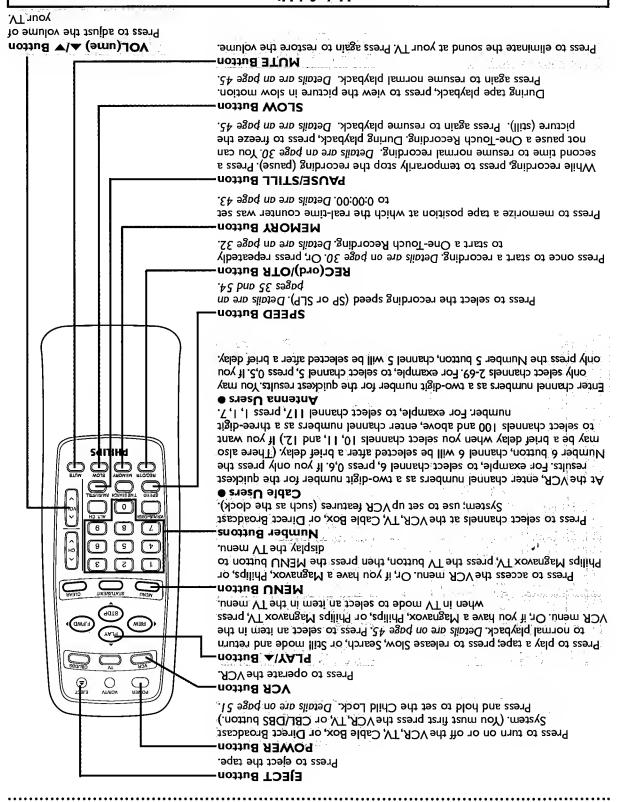
**y** 

Within 30 seconds, press the CBL/DBS button.

Within 30 seconds, press the Number buttons to enter the two-digit code for your Cable Box or DBS. For example, if you have a Zenith Cable Box, press Number buttons 0,7.

9

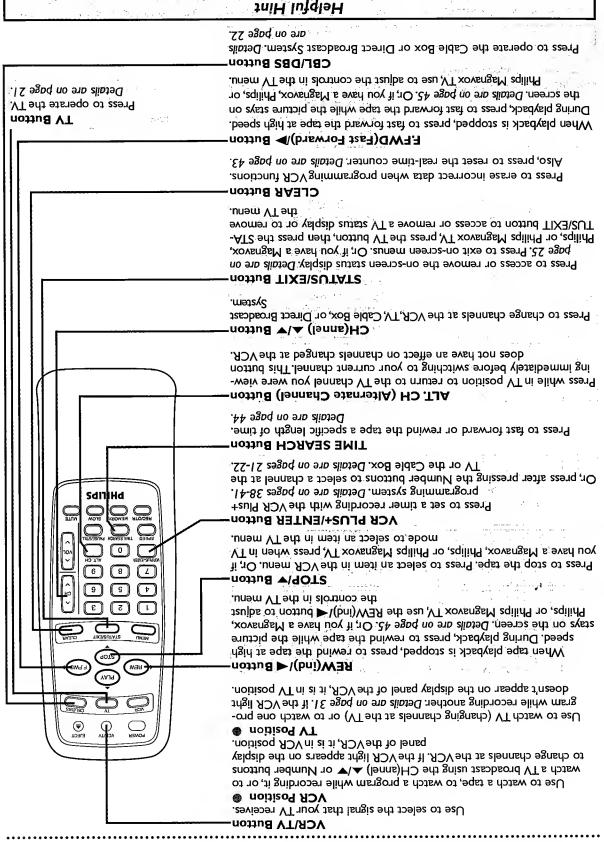
Repeat step 1. If the remote control works your Cable Box or DBS, you're finished. If the remote control still doesn't work your Cable Box or DBS, repeat steps 3-5, using a different code for your brand, if available.



#### JuiH luidleH

Press the VCR button before pressing VCR feature buttons; press the TV button before pressing TV feature buttons; press the CBLIDBS button before pressing Cable BoxIDirect Broadcast System feature buttons.

## 24 Remote Control Buttons (cont'd)



Buttons with a shaded description may also operate features of your TV, Cable Box, or Direct Broadcast System.

Receiving and

## Status Display (example only)

Recording Mode (VRB661 only)

**JuO** Speed and Ispe oibuA Counter N 1:23:45 SLP 2ND AUD **STEREO** CH<sub>10</sub> TY STEREO. MA 00:21 **4OTS** of tape Current status Channel

Memory

Counter

(VRB661 only)

(VRB661 only)

Available

MTS <del>----</del> Broadcast

Mode

A status display will appear when you press the STATUS/EXIT button or certain function buttons. The contents of the status display will vary. To choose the status display mode, follow the steps below. If you select STATUS ON, then select COUNTER ONLY

If you select STATUS ON, then select COUNTER ONLY ON:

Whenever you press the STOP/▼ button or the PLAY/▲ button, the status display will appear for five seconds. After five seconds, only the counter will remain on the screen. You must press the STATUS/EXIT button to remove it. Portions of the status display also may appear when you press other function buttons.
If you select STATUS ON, then select COUNTER ONLY

OFF:
OFF:

● Whenever you press the STOP/▼ button or the PLAY/▲ button, the status display will appear for five seconds. Portions of the status display also may appear when you press other function buttus display also may appear when you press other function buttus

If you select STATUS OFF:

The status display will not appear when you press function buttons. You must press the STATUS/EXIT button to see the status display.

Press the VCR button, then press the MENU button.

7

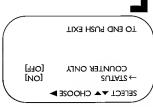
Press the PLAY\▲ button or the STOP|▼ button to select VCR SET UP, then press the F.FWD\▶ button.

3

Press the PLAY/▲ button or the STOP/▼ button to select ON SCREEN MODE, then press the F.FWD/▶ button.



Press the PLAY/▲ button or the STOP/▼ button to select STATUS, then press the F.FWD/▶ button so that OFF (or ON) appears beside STATUS.



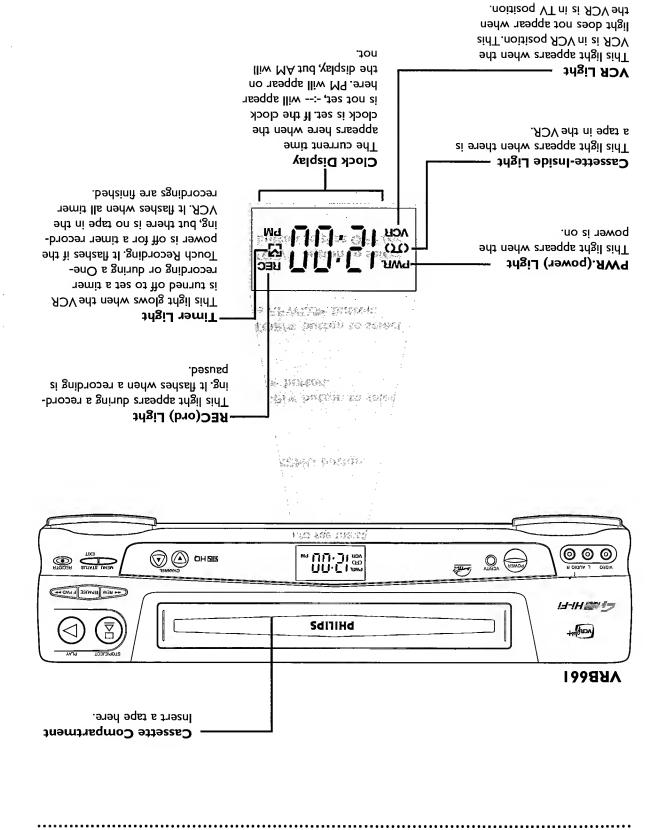
#### Helþful Hint

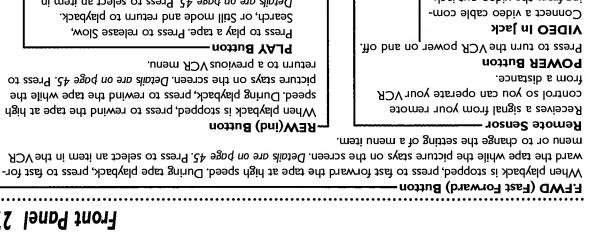
- You may not access a status display when viewing a still picture, during slow motion playback, or during a search.
- A status display may not be available when you are watching TV if Blue Background is set to OFF.
   Details are on page 50.

If you set STATUS to OFF, go to step 6. If you set STATUS to ON, press the PLAY/▲ button or the STOP/▼ button to select COUNTER ONLY, then press the F.FWD/▶ but-

Press the STATUS/EXIT button.

ton so that OFF (or ON) appears beside it.





or slow motion playback. Also, press to remove adjust the tracking of a tape during normal playback Press to change channels at the VCR. Or, press to CHANNEL (▼/▲) Buttons -PHILIPS Press to select an item in the VCR menu. Details are on page 37. back is stopped, press to eject the tape. video disc player, etc.) here. Press once to stop the tape. When playsource (laser disc player, VCR, or an audio-visual STOP/EJECT Button – of a camcorder, another the VCR menu. ing from the video out lack Details are on page 45. Press to select an item in

VCR/TV Buttonhas only one AUDIO In jack. The VRB661 is shown here. The VRB461 here. Details are on page 37. another VCR, or an audio source the audio out jacks of a camcorder, Connect audio cables coming from AUDIO in Jacks

 ◆ VCR Position Press to select VCR or TV position.

the VCR is in VCR position. the VCR light appears on the display panel, gram (changing channels at the VCR). When while recording it, or to watch a TV pro-Use to watch a tape, to watch a program

**● TV Position** 

!J-!H 🕮 🖅

**VRB661** 

VCR is in TV position. does not appear on the display panel, the recording another. When the VCR light TV) or to watch one program while Use to watch TV (changing channels at the

#### Helbful Hint

REC(ord)/OTR Button -

STATUS/EXIT Button

Press to access the VCR menu.

-nottual action -

MENU Button -

vertical jitter in a Still picture.

screen menus.

resume playback. Details are on page 45.

start a One-Touch Recording. Details are on page 32.

Press once to start a recording. Press repeatedly to

playback, press to freeze the picture. Press again to

can not pause a One-Touch Recording. During tape

again to resume recording. Details are on page 30. You

While recording, press to pause the recording. Press

display. Details are on page 25. Press to exit on-

Press to access or remove the on-screen status

VCR, they light up for five seconds. When you press the STOP/EJECT button, the PLAY button, the REW(ind) button, or the FFWD button on the

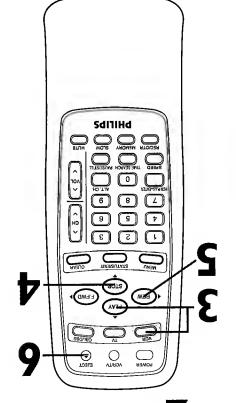
#### pages six-nine. System. Details are on Box, or Direct Broadcast Jack on your TV, Cable Jack to the ANTENNA IN VCR. al cable to connect this here. Details are on page 37. supply power to the Use the supplied RF coaxiplayer, video disc player, etc.) dard AC outlet to OUT Jack – audio-visual source (laser disc Connect to a stancamcorder, another VCR, or an **DYON YOUNG!** AND A from the VIDEO OUT Jack of a on bages six-nine. Connect a video cable coming your VCR. Details are AIDEO IN Jack – to use your TV with Set to channel 3 or 4 are on pages 37 and 47. CH3/CH4 Swifch player, video disc player, etc.) here. Details audio-visual system (monitor, laser disc IN Jack of a camcorder, another VCR, or an Connect a video cable going to the VIDEO VIDEO OUT Jack TUO AUDIO OUT jack. The VRB661 is shown here. The VRB461 has only one Details are on pages 37 and 47. a camcorder, another VCR, or an audio system here. Connect audio cables going to the AUDIO IAI Jacks of AUDIO OUT Jack(s) -The VRB661 is shown here. The VRB461 has only one AUDIO IN jack. .\ E agod camcorder, another VCR, or an audio source here. Details are on Connect audio cables coming from the AUDIO OUT Jacks of a AUDIO IN Jack(s) here. Details are on pages six-10.

Connect your antenna or cable

ANT(enna) IN Jack

Turn on the TV.

Insert a tape in the VCR.



Read and follow the steps below to play a tape.

Turn on the TV and set it to channel 3 or 4, whichever channel the CH3/CH4 switch on the back of the VCR is set to.

Insert a tape in the VCR. The PWR., VCR, and Cassette-Inside lights will appear on the display panel. If the tape's record tab has been removed, playback will start automatically.

If playback does not start automatically, press the VCR button, then press the PLAY/A button.

Press the STOP/w button to stop playback.

Press the REW(ind)/ button to rewind the tape.

Press the EJECT button to remove the tape.

#### Helbful Hints

- olf the tape you want to play is already in the VCR, make sure the VCR power is on and the VCR is in VCR position. (The VCR light will appear on the display panel. If it does not, press the VCR/TV button once.) Press the VCR button, then press the PLAY/▲ button.
- tures are on pages 42-49.

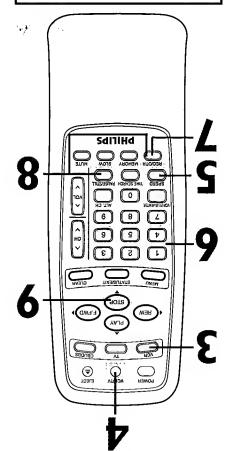
   When you play a tape recorded in S-VHS format on this unit, you can not get the high resolution that would be available on an S-VHS VCR. Noise lines (black and white
- streaks) may appear on the picture. If REPEAT PLAY is set to ON, play-back will begin automatically, even when the record tab is intact.

## S-VHS Quasi Play Back (SQPB)

This unit has a SQPB function that allows you to view a tape recorded in 5-VH5 format. A tape recorded in 5-VH5 format will play the same as a tape recorded in normal format. This unit detects whether the tape is recorded in 5-VH5 format or in normal format.

VT eht no n'ul

Insert a tape in the VCR.



#### ∠stniH lu]qləH

- If you press the REC(ord)/OTR button when there is not a tape in the VCR, NO CASSETTE will flash on the screen.
- If you press the REC(ord)/OTR button while a tape without a record tab is in the VCR, the VCR will eject the tape and PROTECTED CASTETTE CANNOT RECORD will flash on the screen.
- Other recording options are on pages 3.1-37.
- You can change the tape speed during a recording, but some distortion will appear on the tape.
- The VCR will record in a preset vol-

Read and follow the steps below to record a television program.

Turn on the TV and set it to channel 3 or 4, whichever channel the CH3/CH4 switch on the back of the VCR is set to.

Insert a tape with its record tab intact in the VCR.

41 22679

Press the VCR button.

7

If the VCR light appears on the display panel, go to step 5. If the VCR light does not appear, press the VCR/TV button

5

Press the SPEED button until the desired tape speed appears briefly on the screen. (Details about tape speed are on page 35.)

9

Use the CH(annel)  $\triangle / \nabla$  button or the Number buttons to select the channel to be recorded.

Ĺ

Press the REC(ord)/OTR button once to start recording. The REC(ord) light will appear.

8

To pause the recording, press the PAUSE/STILL button once. The REC(ord) light will flash. To resume recording, press the REC(ord)/OTR button or press the PAUSE/STILL button again. The REC(ord) light will come on again.

6

To stop recording, press the STOP/▼ button.

Press the VCR button.

Press the RE

Press the REC(ord)/OTR button to start a recording of the current channel. (See page 30.)

3

Press the VCR/TV button to put the VCR in TV position. The VCR light will disappear from the VCR's display panel.

7

Press the TV button, then press the CH(annel)  $\triangle / \nabla$  or Number buttons to select the channel you want to watch at the TV. (If the VCR remote control doesn't operate your TV, use the TV remote control to select the channel.)

5

To return to the channel being recorded, press the TV button, then use the Number buttons to select channel 03 or 04 at the TV (whichever channel the CH3/CH4 switch on the back of the VCR is set to).

(If the VCR remote control doesn't operate your TV, use the TV remote control to select channel 03 or 04.)

9

Press the VCR button.

L

Press the VCR/TV button to put the VCR in VCR position. The VCR light will appear on the display panel. The channel being recorded will appear on the screen.

8

Press the STOP/▼ button to stop the recording.

#### Helpful Hints

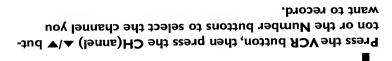
- If your VCR remote control does not operote your TV, see poge 21 for detoils.
- If you use o Cable Box or Direct
  Broodcost System hookup, you moy
  not be oble to wotch one chonnel
  while recording onother. See poges
  eight-nine for detoils.

## 32 One-Touch Recording

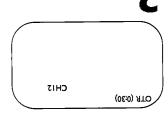
immediate timed recording 30 minutes to eight hours long. Before The One-Touch Recording (OTR) feature allows you to set an

- Set up the channels at the VCR. you begin:
- Select a recording speed (SP, SLP) with the SPEED button.
- Put a tape in the VCR. Make sure the tape's record tab is intact
- Place the VCR in VCR position. (The VCR light will appear on the and the tape is long enough to record the program(s).

display panel. If it does not, press the VCR/TV button once.)



REC(ord) light and the Timer light will appear on the display panel. appears on the screen. Recording will begin immediately. The desired recording length (30 minutes to eight hours) Press the REC(ord)/OTR button repeatedly until the



#### Helpful Hints

**(**₹)

- Ta change the recarding length while the STATUS/EXIT buttan. OTR after the OTR has been set press To check the time remaining far an
- recarding is paused, the OTR will If you begin an OTR when another length appears an the screen. REC(ard)/OTR buttan until the desired an OTR is in progress, press the
- Yau can nat pause an OTR. .nigəd
- recarding's scheduled start time. turn off the VCR before the timer timer recarding will take place if yau turn off the VCR immediately. The nat take place. Or, stap the OTR and OTR cantinue; the timer recarding will scheduled ta begin. Yau may let the yau when the timer recarding was has priarity. A message will remind ing comes up during an OTR, the OTR If the preset time for a timer record-

## **210P/**▼ putton or the POWER button. ostop an OTR before recording is finished, press the 🖹

panel of the VCR, but the Timer light will disappear. page 25 for details.) The REC(ord) light will remain on the display left corner of the TV screen. (STATUS must be set to ON. See REC(ord)/OTR button repeatedly until REC appears in the upper To cancel the OTR but continue recording, press the Sdithd

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And Andrew Mota Alona Malocate

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Andre

Follow the steps below to program your VCR to record TV programs while you're away from home. The VCR will turn itself on, record, and turn itself off automatically. Before you begin:

Set up the channels at the VCR.

- Set the clock.
- ◆ Put a tape in the VCR. Make sure the tape's record tab is intact and the tape is long enough to record the program(s).
- Put the VCR in VCR position. The VCR light will appear on the display panel. If it does not, press the VCR/TV button once.

Do each step within 60 seconds of the previous step.

Press the VCR button, then press the MENU button.

SELECT ▲▼ CHOOSE ►

TUNER SET UP

TO END PUSH EXIT

TO END PUSH EXIT

Press the PLAY\▲ button or the STOP\▼ button to select PROGRAM, then press the FFWD\▶ button.

TO END FUSH EXIT

PONCE

SELECT ▼▼ CHOOSE ►

Press the PLAY\▲ button or the STOP\▼ button to select a ONCE, DAILY, or WEEKLY recording. Then, press the FFWD\► button.

ONCE: The VCR will record a TV program on any day you

- choose, up to 12 months away.

   DAILY: The VCR will record the same channel every day from Monday to Friday starting at the same time and recording for
- the same length of time.

  WEEKLY: The VCR will record the same channel on the same day, at the same time, and for the same length of time every

DAILY PROGRAM (MON-FRI) PROGRAM - 1 2 3 4 5 6 7 8Daily Recording (example)

week.

SELECT PROGRAM NUMBER TO END PUSH EXIT

Instructions continue on page 34.

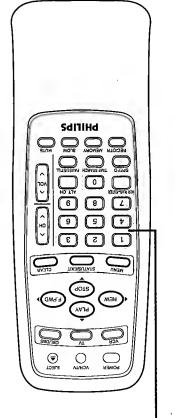
## Helpful Hints

- If you need to make a correction while programming a timer recording, press the CLEAR button until the cursor is flashing on the item you want to change. Then enter the correct information.

  With ShowGuard, if the power fails
- vvitn snowsuara, if the power fairs for more than one minute, programmed timer recordings will be restored when the clock is reset.

  Details are on page 52.

## 34 Timer Recording (cont'd)



illustrotion on poge 37.)

can not select AV FRONT. Please see

jocks on the bock of the VCR. (You

connect the oudio and video cobles

If you are recording from line inbut.

tion mork to oppeor on the screen.

clock or colendor will cause o ques-Entries that do not motch the VCR's

─ ∷ stniH lu}qləH

to the AUDIO IN and VIDEO IN

for open slots will flash on the screen. to store the timer recording. There are eight slots. Numbers Use the Number buttons (I - 8) to select a slot in which

unuper. screen. If this hoppens, press the STATUS/EXIT button, then select onother briefly. Information obout the progrom in that slot will oppeor on the o timer recording, PREVIOUSLY SET PROGRAM will oppear on the screen NOTE: If you enter a number for a slot that has already been used to store

#### to record. Use the Number buttons to enter the channel you want

select channels 10, 11, and 12. If you want to select channels 100 ed after a brief delay. There also may be a brief delay when you If you only press the Number 6 button, channel 6 will be selectthe quickest results. For example, to select channel 6, press 0,6. Cable Users, enter channel numbers as a two-digit number for

0,5. If you only press the Number 5 button, channel 5 will be for the quickest results. For example, to select channel 5, press Antenna Users, enter channel numbers as a two-digit number example, to select channel 117, press 1, 1, 7.

and above, enter channel numbers as a three-digit number. For

(You can not select AV FRONT for this feature.) If you are recording from line input, press 0,0 to select AV REAR. selected after a brief delay.

timer recording. See page eight for detoils. nel you want to record. Leave the Cable Box/DBS on for the output channel (03 or 04). Set the Cable Box/DBS to the chan-If you are using a Cable Box/DBS, select the Cable Box/DBS

2 for PM. For example, for 9:30 PM, press 09, 30, 2. minute you want the recording to begin. Press I for AM or recording to begin. Press two Mumber buttons for the Press two Number buttons for the hour you want the

TO END PUSH EXIT

TO END PUSH EXIT TIME ON CHANNEL PROGRAM ONE TIME PROGRAM

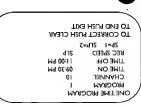
stop time. (AM or PM will be set automatically.) Follow the instructions in step 6 to enter the recording's

TIME OFF M9 05:90 CHANNEL PROGRAM ONE TIME PROGRAM

TO END PUSH EXIT

8

Press the Number I button to record in SP speed or the Number 2 button to record in SLP speed. (See the chart below.) You cannot use the SPEED button at this time.



6

Press two Mumber buttons for the month and two Mumber buttons for the day you want to record the program. For example, for July 10, 2000, press 07, 10. The day of the week and the year will appear automatically (you cannot program the VCR to record more than one year in advance).

TO END PUSH EXIT

TO COMBECT PUSH CLEAR

MON.

TO CORRECT PUSH COMP

TIME OPF 11:00 PM

T

01

Press the STATUS/EXIT button. PROGRAM WAS COMPLETED appears, try again from step 1.)

Press the POWER button to turn off the VCR power. The Timer light will appear on the display panel.

If the timer recording will take place several hours or days from now, you may use the VCR until time for the recording. Turn off the VCR, a few minutes before the recording starts. If you forget to turn off the VCR, PLEASE TURN OFF VCR FOR TIMER RECORD-ING flashes on your TV screen two minutes before a timer ING starts. Press the CLEAR button to remove the message.

01	SdITIHd  BAINW MOTS ALKONSW ELLOOSE  TILLS SERTING SCRIPTS TREE  TO DESCRIPTIVE SERTING STAND  TO LIVE SCRIPTIVES  TO SERTING STAND  TO SE
UI	(SLOD) (EEMD)

Turn off the VCR for the recording. Insert a tape in the VCR. Leave the Cable Box/DBS on (if applicable).

SLP (super long play)	8 hrs.	6 hrs.	3 prs.
(bjskpsck oujk)	.snim 02	. 7 '6 111 1	'CIII 7
LP (long play)	5 hrs.	4 hrs.	Z hrs.
	.snim 0₽	'S III 7	uq į
SP (standard play)	Z hrs.	Z hrs.	341
Tape Speed	091⊥	T120	09⊥
	Cassette type / Playback Time		

Tape Speeds
This chart shows the recording/playback time for three types of video cassettes (T160,T120, and T60). There are three playback speeds: SP, LP, and SLP. You cannot record in LP speed.

## 36 Timer Recording (cont'd)

Checking or Cancelling Timer Recordings

With the VCR on and in VCR position (the VCR light will appear on the display panel), press the VCR button, then press the MENU button.

7

Press the PLAY/▲ button or the STOP/▼ button to select PROGRAM, then press the F.FWD/▶ button.

3

Press the PLAY\▲ button or the STOP\▼ button to select PROGRAM REVIEW, then press the F.FWD\▶ button. The timer recording information for the program in the lowest numbered slot will appear on the screen. If no timer recordings are set, nothing will happen when you press the F.FWD\▶ button.

b

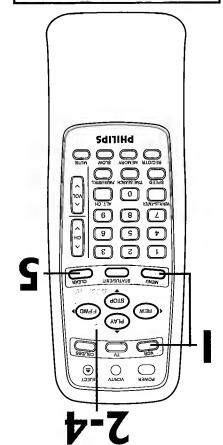
Press the F.F.V.D. button repeatedly to review all programmed timer recordings. If you don't press the F.F.V.D. button within 10 seconds, the VCR will automatically display information about the next programmed timer recording. This will continue until all timer recordings have been displayed. Then the menu will disappear.

5

To cancel the timer recording displayed, press the CLEAR button. Either the display will disappear or information about other timer recordings will appear. If you do not press any other buttons, the display will disappear after all timer recordings have been displayed.

9

Repeat steps I - 4 to make sure you have cleared the correct timer recording.



#### trill lulqlaH

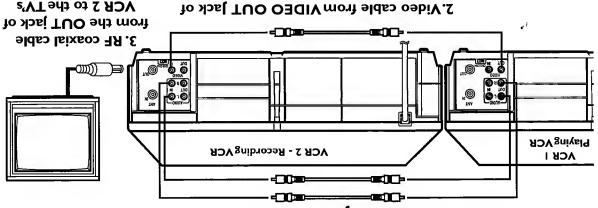
- CLASH may flash on the screen when you finish setting a timer recording. This means that the timer recording you just programmed and another timer recording will not take current timer recording will not take place. You may choose to cancel the overlapping timer recording.
- To stop a started timer recording, press the STOP/EJECT button on the VCB
- If the preset time for a timer recording comes up during an OTR, the OTR has priority. A message will remind you when the timer recording was scheduled to begin. You may let the OTR continue; the timer recording will not take place. Or, stop the OTR and turn off the VCR immediately. The timer recording will take blace if you turn off the VCR take place if you turn off the VCR before the timer recording will not take place.

See page 52 for more hints.

## Rerecording (Tape Duplication) 37

The instructions on this page show you how to copy tapes. The illustration uses two VRB661 VCRs. Different VCRs may operate differently. To duplicate a tape, make the connections shown, then follow steps I-7.

I. Audio cables from AUDIO OUT Jacks of VCR I to AUDIO IN Jacks of VCR 2



VCR I to VIDEO IN Jack of VCR 2

Audio and Video cables are not supplied.

### thelpful Hints

ANTENNA IN Jack

- If you use the AUDIO and VIDEO IN Jocks on the back of VCR 2, press Number buttons 0, 0, 1. AV REAR will appear on the screen. (Blue Bockground should be set to ON. Details are on page 50.)
- If you use the AUDIO and VIDEO In Jacks on the frant of VCR 2, press Number buttons 0, 0, 2. AV FRONT will appear an the screen. (Blue Backgraund shauld be set ta ON.
   Details are an page 50.)
   Unautharized recarding of capy-
- righted televisian pragrams, videa tapes, ar ather materials may infringe an the rights of capyright laws.

   If a pragram has copyright pratec-
- tian, it may nat recard clearly.

  These instructions shaw you haw to capy tapes using two VCRs like
- yaurs. Different VCRs may aperate different VCRs may aperate.

  The VCR in the figure abave is the VRB661. If yau have the VRB461, use a single-plug audia cable ta cannse.

ta the AUDIO IN jack an VCR 2.

■ Make the connections shown above.

**7** 

VCR | will play your tape. Put a prerecorded tape in VCR I.

3

VCR 2 will record your tape. Insert a blank tape in VCR 2. The VCR must be in VCR position. (The VCR light will appear on the display panel. If it does not, press the VCR/TV button once.)

7

Turn on the TV and set it to channel 03 or 04, whichever channel the CH3/CH4 switch on VCR 2 is set to.

Soint

Point the remote control at VCR 2. Press the VCR button, then press Number buttons 0, 0, 1 or 0, 0, 2. (See Helpful Hints at right.)

9

Press the SPEED button to select SP or SLP at VCR 2.

L

Press the PLAY button on VCR I and the REC(ord)/OTR button on VCR 2 at the same time.
To stop recording, press the STOP/EJECT button on VCR I, then press the STOP/EJECT button on VCR 2.

# 38 Setting Up the VCR Plus+ Programming System

or the TV listings of your local newspaper.

First, fill in the boxes on this page. It will only take a few minutes, and you must do it if you want the VCR Plus+ programming system to work properly. Since the channel numbers of the stations you receive may not be the same as the station numbers, and since channel numbers differ from area to area, you must program the VCR with your local channel information. To fill in the boxes, you will need 1) a cable channel list, if applicable (you can request one from your cable company), and 2) a chart that lists VCR Plus+ channel numbers, which you can find in your TV guide

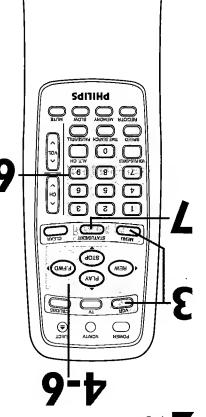
MOTE: If you are using a Cable Box/DBS, the Cable/TV channel must be 3 or 4 (the Cable Box/DBS output channel) for every VCR Plus+ channel.

					_
					1:
***************************************					
					_
				•	
				<del></del>	
					-
		•			
CABLE/TV CH.	VCR PLUS+ CH.	Station Call Letters	CABLE/TV CH.	VCR PLUS+ CH.	Station Call Letters
Channels			Channels		

# Setting Up the VCR Plus+ Programming System (cont'd) 39

Examine the lists on page 38.

7



Now, compare the channel numbers you have written in the VCR PLUS+ CH. and CABLE/TV CH. columns. For stations whose VCR Plus+ and Cable/TV channel numbers by following steps 3 the VCR Plus+ and Cable/TV channel numbers by following steps 3 - 7. Make each entry within 60 seconds of the previous entry.

Press the VCR button, then press the MENU button.

Þ

Press the PLAY\▲ button or the STOP/▼ button to select VCR SET UP, then press the F.FWD/▶ button.

Press the PLAY/▲ button or the STOP/▼ button to select VCR PLUS+ REF. MAP, then press the F.FWD/▶ button.

9

Look at the lists you filled in on page 38. For stations whose VCR Plus+ and Cable/TV channels do not match, press the PLAY/▲ button or the STOP/▼ button until the arrow is beside the VCR Plus+ channel you need. Then, press the Number buttons to enter the corresponding Cable/TV channel from your list. Enter all the stations on your list. Enter all the stations on your list.

If you are recording from line input, press 0,0 to select AUX.

If you are recording from line input, press 0,0 to select AUX.

Connect the audio and video cables to the AUDIO IN and VIDEO IN jacks on the back of the VCR. (Please see illustration on page 37.) You can not use the AUDIO and VIDEO In jacks on the front of the VCR for this feature.

If you are using a Cable Box/DBS, the Cable/TV channel will be 3 or 4 (the Cable Box/DBS output channel) for every VCR Plus+ channel. You must set the Cable Box/DBS to the channel you want to record; leave the Cable Box/DBS on for the timer recording.

### Helpful Hints

To erase a Cable/TV channel number, repeat steps 3-5 on this page.
 Then, press the PLAY/▲ button or the STOP/▼ button until the arrow appears beside the Cable/TV channel you need to erase. Press the CLEAR button, then press the STA-TUS/EXIT button.

 When you receive the VCR, all the YCR Plus+ channel numbers and the YCR Plus+ channel numbers and

Cable/TV channel numbers are the

'awps



Press the STATUS/EXIT button.

## 40 Timer Recording with the VCR Plus+ Programming System

Follow these steps to set a timer recording with the PlusCode programming numbers in your TV guide. Before you begin:

- Set up the channels at the VCR (page 12).
- Set up the VCR Plus+ and Cable/TV channel numbers (pages
- Set the clock (pages 15-18).
- Put a tape in the VCR.
- Make sure the VCR light appears on the display panel. If it does not, press the VCR/TV button once.

Do each step within 60 seconds of the previous step.

Press the VCR button.

**" Z** 

Press the VCR PLUS+/ENTER button.

VCR PLUS+ PROG.

TO END PUSH EXIT

**E** 

Press the Mumber buttons to enter the PlusCode programming number of the program you wish to record. Then, press the VCR PLUS+/ENTER button.

VCR PLUS+ PROG.

PLUS CODE: 13285 - --

TO SET PUSH VCR+ TO CORRECT PUSH CLEAR TO END PUSH EXIT

Þ

Press the PLAY/▲ button or the STOP/▼ button to select a ONCE, DAILY, or WEEKLY recording. Then, press the button.

- ONCE: The VCR will record a TV program on any day you
- choose, up to 12 months away.

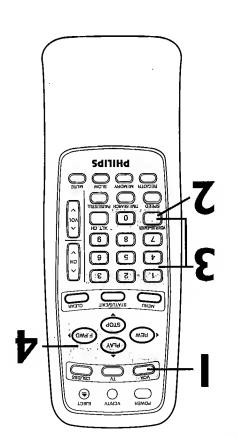
   DAILY: The VCR will record a program every day from Monday to Friday starting at the same time and recording for the same
- length of time.

  WEEKLY: The VCR will record a program on the same day, at the same time, and for the same length of time every week.

VCR PLUS+ PROG.

MEEKIN DVIIN → ONCE

TO END PUSH EXIT

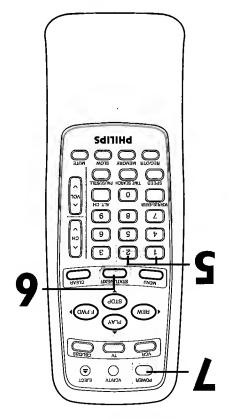


## Helpful Hints

- CODE ERROR moy flosh on-screen ofter step 3 if you enter on incorrect PlusCode programming number (for example, one thot is too short). The previous screen will oppeor. Enter the correct PlusCode programming number.
- If CLASH floshes on-screen ofter step 3, the timer recording you just progrommed another timer recording overlop. The current timer recording will not occur.
- You moy use the VCR Plus+ Progromming System to record brogroms on Coble TV chonnels up to chonnel 125.
- With ShowGuord, if the power foils for more thon one minute, progrommed timer recordings will be restored when the clock is reset.

  Detoils ore on poge 52.

# 14 (b'tnox) metry & grimmargord + 2ulq ADV edt diw gridning System (cont'd) 41



### Helpful Hints

- If the preset time for a timer recording comes up during an OTR, the OTR has priority. A message will remind you when the timer recording was scheduled to begin. You may let the OTR continue; the timer recording will not take place. Or, stop the OTR and turn off the VCR immediately. The timer recording will take place if you turn off the VCR take place if you turn off the VCR before the timer recording's scheduled start time.
   To stop a started timer recordings.
- the VCR.

  If the power fails for more than one minute, VCR Plus+ channel numbers higher than 100 may be lost. In this case, repeat steps 2-7 on page 39.

  If you are using a Cable BoxIDBS, imer recordings are programmed

press the STOP/EJECT button on

differently. See pages eight and 38-

39 for details.

See page 52 for more hints.

Press the Number I button to record in SP speed or the Number 2 button to record in SLP speed. Your selection will appear beside REC SPEED on-screen; SP=1 SLP=2 will continue to flash. For details about tape speed, see pages 35 and 54. You cannot use the SPEED button at this time.

TO END PUSH EXIT

AT START DATE IN1000

SEC SHEED STE

THE OHE I 1130 PM

THE OHE I 1130 PM

CHANNEL 09

CHANNEL 09

ONE THE PROCEAN I

Press the STATUS/EXIT button. PROGRAM WAS COM-PLETED / PLEASE TURN OFF VCR FOR TIMER RECORDING should appear on-screen briefly.

Press th

Press the POWER button to turn off the VCR power. The Timer light will appear. The Timer light will appear. The Timer light will sheve is not a tape in the VCR.

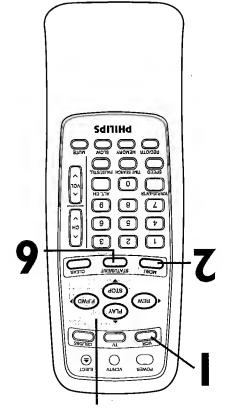
If the timer recording will take place several hours or days from now, you may use the VCR until time for the recording, Just turn off the VCR, PLEASE TURN OFF VCR FOR TIMER get to turn off the VCR, PLEASE TURN OFF WO minutes before a timer recording starts. Remove the message by pressing the CLEAR button.

Turn off the VCR for the recording. Insert a tape in the VCR. Leave the Cable Box/DBS on (if applicable).

Follow the steps below to make the VCR play a tape over and

over





Press the VCR button.

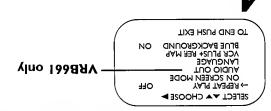
LLESS CHE A CH DOL

7

Press the MENU button.



Press the PLAY/ $\blacktriangle$  button or the STOP/ $\blacktriangledown$  button to select VCR SET UP, then press the F.FWD/ $\blacktriangleright$  button.



Press the PLAY/▲ button or the STOP/▼ button to select REPEAT PLAY.

2

Press the F.FWD/▶ button so that ON appears beside REPEAT PLAY.

9

Press the STATUS/EXIT button. Now, when a tape has finished playing, the VCR will rewind it and start playback again.

## stniH lufqlaH 🥞 🖟

 To cancel Repeat Play, follow steps |-4 above.At step 5, press the appears beside REPEAT PLAY. Press the STATUS/EXIT button.
 The real-time counter memory does
 The transmitter memory does

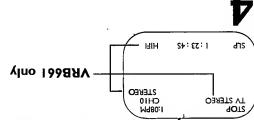
tape location you want to refer to later. Follow the steps below to reset the real-time counter to zero at a

Press the VCR button.

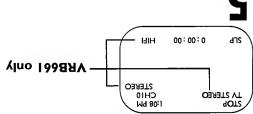
to stop the tape. you would like to refer to later. Press the STOP/▼ button Play, fast forward, or rewind a tape to the location that

Press the STATUS/EXIT button to see the status display.

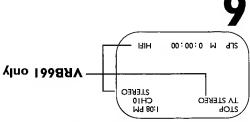
**4OT2** 



CLEAR button to reset the real-time counter to zero. While the status display is on the screen, press the



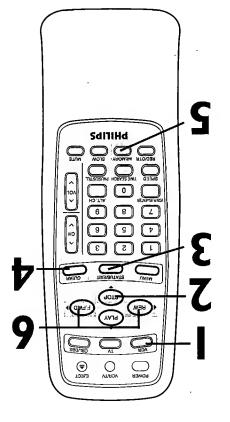
MEMORY button so that M appears beside the counter. While the real-time counter is on the screen, press the



zero, the tape will stop. When the tape reaches the point at which the counter was set to F.F.W.D.\► button when playback is stopped. reset to zero, press the REW(ind)/

✓ button or the To go to a tape location where the real-time counter was

Press the PLAY/▲ button to watch the tape.



### Helpful Hints

- ry, press the MEMORY button until To erase a real-time counter memo-Details are on page 42. tion if REPEAT PLAY is set to ON. The MEMORY button does not func-
- setting will be erased. previous real-time counter to zero to zero at a second location, the time. If you set the real-time counter counter to zero at one location at a • You may only set the real-time the M disappears from the screen.

## 44 Time Search

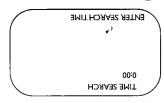
Follow the steps below to program the VCR to search forward or backward on a tape a specific length of time. There must be a tape in the VCR.



Press the VCR button.



Press the TIME SEARCH button.

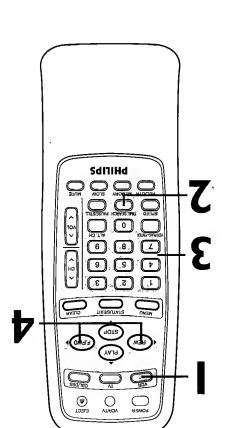


ii.M

Within 10 seconds, use the Number buttons to enter the desired length of time you want to skip forward or backward. For example, for I hour, 25 minutes, press Number buttons I, 2, 5. Or, for five minutes, press Number buttons 0, 0, 5.



Within 10 seconds, press the FFWD/▶ button or the REW(ind)/◀ button. The VCR will skip over the specified length of time, then begin playback.



#### Helpful Hints

- If you want to search for more than 59 minutes, you must enter the length of time in hours and minutes. For example, to search forward 70 minutes, press 1,1,0 at step 3.
   You can not do a Time Search while
- recording.

   To remove the Time Search display, press the TIME SEARCH button
- To cancel a Time Search that is in progress, press the STOP/▼ button.

Forward and Reverse Searching (SP/LP/SLP)

ture search will begin. ton or the REW(ind)\ ■ button. A fast forward or reverse pic-During tape playback, press and release the FFWD/ but-

To return to playback, press the PLAY/▲ button.

Super High Speed Searching (LP/SLP)

KEW(ind)\ ✓ button, then press again. The VCR will now During tape playback, press the F.FWD/> button or the

search in super high speed.

To return to normal playback, press the PLAY/▲ button.

Viewing a Still Picture

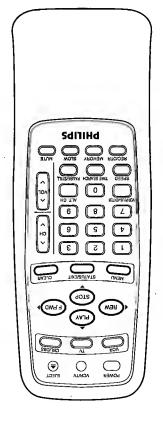
still picture will appear on the screen. During tape playback, press the PAUSE/STILL button. A

again. the PLAY/▲ button or press the PAUSE/STILL button To release the still picture and return to playback, press

## Viewing a Slow Motion Picture

will play in slow motion. During tape playback, press the SLOW button. The tape

.nisga press the PLAY/▲ button or press the SLOW button To release Slow mode and return to normal playback,



### and Helpful Hints and

- tape from damage. minutes to protect the VCR and the cally switch to Stop mode after five -isom and Still modes will automati-
- Long Play. Standard Play, Long Play, or Super work with tabes recorded in • SP/LP/SLP means this feature will
- tape speed, see pages 35 and 54. Super Long Play. For details about with tapes recorded in Long Play or • LP/SLP means this feature will work

## 46 Automatic Operation Features

The following playback features will always operate.

#### Automatic Playback

When you put a tape in the VCR, the power will come on automatically. If the tape's record tab is missing, playback will begin. If a timer recording is set, the power will not come on automatically when you insert a tape with the record tab intact. If a timer recording is set and the VCR power is off, the VCR will eject the tape if the record tab is missing.

### Automatic Rewind, Eject, Off

When a tape is played, fast forwarded, or recorded to its end, the VCR will rewind the tape, stop, eject the tape, then turn itself off. If the real-time counter memory is set, the VCR will only rewind the tape to the point at which the counter is set to zero, then stop. The VCR will not eject the tape automatically or shut itself off.

#### Tape Eject A tape can be eiv

A tape can be ejected with the VCR power on or off (but the VCR must be plugged in). If a timer recording is set, a tape can only be ejected with the power on. Make sure you insert a tape and turn off the VCR power for the timer recording.

### Automatic Tracking Adjustment

The VCR adjusts tracking automatically to give you the best possible picture quality. With some recordings, however, you may get a better picture using the manual tracking controls (see below).

#### Manual Tracking

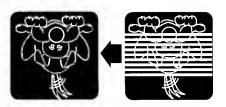
To manually adjust the tracking during playback and slow motion playback, press the CHANNEL ▲/▼ buttons on the VCR. (The CH(annel) ▲/▼ button on the remote control will not adjust tracking.)

u acking.) Tracking will return to Automatic Tracking Adjustment when you press the STOP∕▼ button or insert a tape. You cannot manually adjust the tracking of a Still picture. Howeve

press the 510P/▼ button or insert a tape. You cannot manually adjust the tracking of a Still picture. However, you may press the CHANNEL ▲/▼ buttons on the VCR to remove vertical litter in a Still picture.

remove vertical jitter in a Still picture.

After Tracking Adjustment



Before Tracking Adjustment

# Multi-Channel Television Sound System (VRB661 only) 47

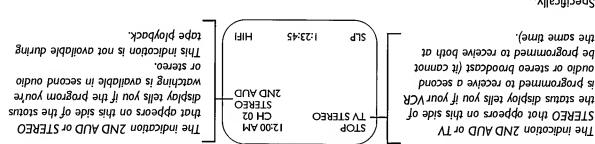
Your VCR can play recordings broadcast in Hi-Fi (high fidelity) stereo, which produces a crisp, clear sound from two sources. Your VCR also can play tapes recorded in a second audio (usually, that means your program is recorded in a second language). Of course, your VCR will play tapes recorded in monaural (single-sound as well.

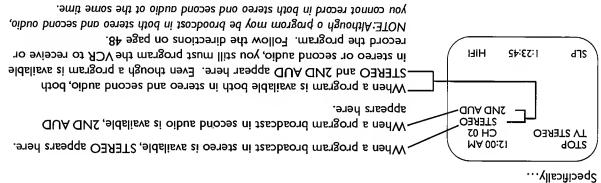
Your VCR also will record in Hi-Fi stereo or in second audio, so when you play back that tape on the VCR, it will be in stereo or second audio. If you play back the tape on a VCR that can't play back tapes in stereo or second audio, the VCR will automatically play the tape in monaural sound.

Read the directions on this page to familiarize yourself with your VCR's stereo and second audio setups. Then follow the directions on page 48 to record in stereo or second audio and the directions on page 49 to play back tapes recorded in Hi-Fi stereo.

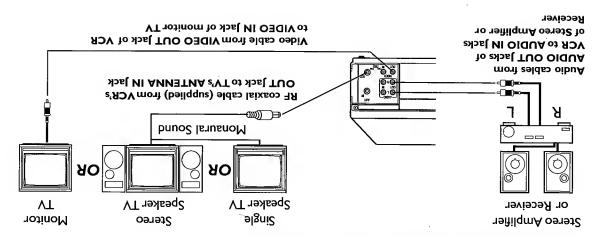
### Understanding On-Screen Displays

When you receive a signal from a channel you're watching, portions of the on-screen display shown below will appear when you press the STATUS/EXIT button on the remote control.

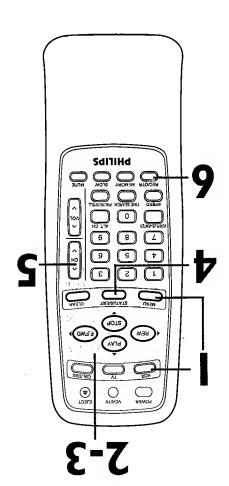




To record and play back programs broadcast in stereo, even if you have a Single Speaker TV, just use one of the connections shown, then follow the steps on pages 48-49.



# 48 Multi-Channel Television Sound System (VRB661 only) (cont'd)



Press the VCR button, then press the MENU button.

ZETECT ▼▲ CHOOSE ►

TO END PUSH EXIT

Press the PLAY/▲ button or the STOP/▼ button to select TUNER SET UP, then press the F.FWD/▶ button.

SVID PUDIO

TA STEREO

A DITO PROGRAMING

TO RELOCK SELECT

SELECT ★▼ CHOOSE ►

TO END PUSH EXIT

Press the PLAY/▲ button or the STOP/▼ button to select TV STEREO or 2ND AUDIO. Then, press the F.FWD/► button. ON will appear to the right of your selection.

Þ

Press the STATUS/EXIT button.

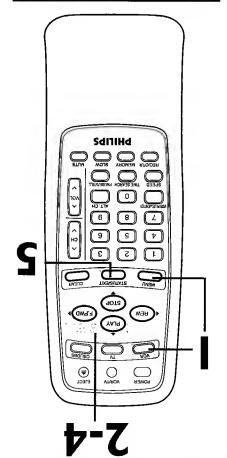
2

To record, select the channel to be recorded using the CH(annel)  $\triangle / \nabla$ 

#### Helpful Hints

- You can only receive and record in stereo or second audio programs that are broadcast in stereo or second audio. You can only play in stereo or second audio. Please see page 47 to determine if the program you want to watch/record is being broadcast in stereo or second audio.
   If you select second audio when second audio is not available, the second audio.
- Press the REC(ord)/OTR button to start recording.

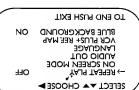
# Hi-Fi Stereo Sound System (VRB661 only) 49



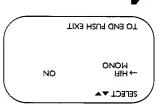
Multi-Channel Television Sound system broadcasts are automatically recorded in Hi-Fi stereo sound. To play in Hi-Fi stereo the tapes recorded in Hi-Fi stereo, however, you'll need to follow steps 1-5.

Press the VCR button, then press the MENU button.

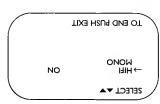
Press the PLAY\▲ button or the STOP\▼ button to select VCR SET UP, then press the F.FWD\▶ button.



Press the PLAY\▲ button or the STOP/▼ button to select AUDIO OUT, then press the F.FWD/► button.



Press the PLAY\▲ button or the STOP/▼ button to select HIFL ON will appear to the right of HIFI on the screen.



ress the

Press the STATUS/EXIT button.

### Lelpful Hints

- All programs are automatically recorded in both Hi-Fi stereo sound and in monaural sound.
- The audio level of a tape recorded in Hi-Fi stereo will differ from the audio level of a tape not recorded in Hi-Fi stereo.
   Normally, HIEI should be selected
- Normally, HIFI should be selected from the AUDIO OUT menu for playback with Hi-Fi sound. But, you can change the selection to MONO if you want monaural audio playback. To do this, follow steps 1-3. At step 4, press the PLAYI▲ button or the STOPI▼ button to select MONO. Press the STATUS/EXIT button. HIFI will disappear from the status display during TV viewing. If you play non-Hi-Fi tapes while the YOCR is set to HIFI, the tapes will play VCR is set to HIFI, the tapes will play
- in monaural sound.
  Please see additional notes on page 53.

## 50 Blue Background

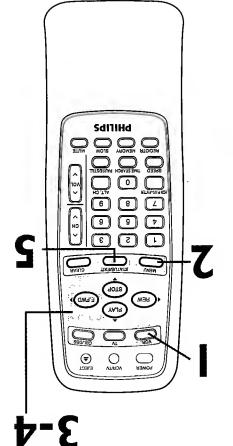
If you want the TV screen to be solid blue when a weak signal is received, set BLUE BACKGROUND to ON. The screen will be blue and the sound will be muted.

Or, if you want to receive the weak signal, set BLUE BACK-OR, if you want to receive the weak signal, set BLUE BACK-weak signal, you will see and hear the static in the TV program-

you select a weak channel.

To set BLUE BACKGROUND to ON or OFF, follow these steps.

ming. The channel number will not appear on the screen when



Press the VCR button.

Press the MENU button.

TO END PUSH EXIT

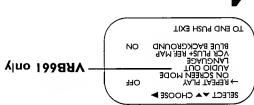
TUNER SET UP

TUNER SET UP

TUNER SET UP

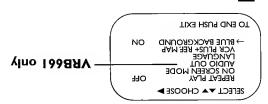
SELECT ▲ CHOOSE ▶

YCR SET UP, then press the FFWD/▼ button to select



**b** 

Press the PLAY\▲ button or the STOP\▼ button to select repeatedly so that OFF (or ON) appears beside BLUE repeatedly so that OFF (or ON) appears beside BLUE



5

Press the STATUS/EXIT button.

Sditihd

BLITW AND ALMAN BLOCON

TRUSCISTING HOMOTOS SMIL GRAPS

TOAN

TO D

T

Child Lock prevents use of the VCR by deactivating the VCR feature buttons on the VCR and the remote control. To set the Child Lock, turn on the VCR power, then follow the steps below.

Press the VCR button.

Press the VCR butte

Press and hold the POWER button on the remote control for 10 seconds so that CL appears on the display panel. The VCR will turn off.

### When Child Lock is activated:

- The time yill appear on the display panel. CL will appear on the display panel every two seconds.
- anapies, paried every two seconds.

  You may insert a tape. However, the VCR power will remain off
- and tape playback will not begin.

  You may press the EJECT button to remove the tape (unless a
- timer recording is programmed).

  Timer recordings will take place as scheduled, even if Child

  Lock is activated. CL will appear steadily on the display panel
- during the timer recording.
   The TV and Cable Box/DBS feature buttons of the remote control will still operate when Child Lock is activated.

To cancel the Child Lock, press the VCR button, then press and hold the POWER button on the remote control for 10 seconds so that the VCR turns on.

## 52 Helpful Hints

If you are having problems with your product, check this list of problems and possible solutions before

you believe the representative will need to help you with operations, please stay near the product. Our moment to identify the problem you are having, and be prepared to explain this to the representative. If your product before you call. This information is displayed on the back of the product. Also, please take a If you need to call a customer service representative, please know the model number and serial number of requesting service. You may be able to solve the problem yourself.

representatives will be happy to assist you.

#### No power

- Make sure the power plug is completely connected to an AC (alternating current) outlet.
- Make sure the power is turned on.

### Power Failure

manually. Details are an pages 15-16.) The timer recording will not occur only if the timer recording was CLOCK feature. Details are an page 17. If you are not using the AUTO CLOCK feature, reset the clock restored when the clock is reset. (The clock will reset itself automatically if you are using the AUTO With ShowGuard, if the power fails for more than one minute, programmed timer recordings will be

ATY program cannot be recorded. scheduled to take place during the power failure.

• Check the connections between the VCR, TV, antennal cable, and Cable Box/Direct Broadcast System (if

- Make sure the tape has a record tab. Details are on page five. applicable). Details are an pages six-10.
- Check the CH3/CH4 switch. Details are on pages six-nine. Check the TV/VCR position. Details are an page 27.

## The VCR will not perform a timer recording.

- Make sure the recording start and stop times are set correctly. Details are on pages 33-36.
- a timer recording, you turn off the VCR power without putting a tape in the VCR, the Timer light will Make sure a tape is in the VCR and the tape has a record tab. Details are on page five. If, after programming.
- If the record tab on a tape is missing, the VCR will eject the tape. The Timer light will blink. blink.
- Make sure the VCR power is off.
- If you have a Cable Box/Direct Broadcast System, timer recordings are programmed differently. Details are Make sure the clock is set. Details are on pages 15-18.
- Finish programming a timer recording at least five minutes before the recording is set to begin. on bage eight.
- There is no playback picture or the playback picture is noisy or contains streaks. • 12 p.m. is noon; 12 a.m. is midnight.
- Make sure the TV is on the same channel as the VCR's CH3/CH4 switch.
- Make sure the VCR is in VCR position. (The VCR light will appear on the display panel.)
- Make sure channel 03 or 04 is properly adjusted at the TV.
- TVs placed too close to the VCR can cause interference during tape playback. Move the VCR away from Adjust the tracking. Details are an page 46.

## the TV.

#### Press the VCR button, then try the other VCR feature buttons. The VCR cannot be controlled with the remote control.

- Aim the remote control directly at the VCR's remote sensor. Details are an page 2/. • Make sure the VCR light appears on the display panel. If it does not, press the VCR/TV button once.
- Inspect and/or replace the batteries in the remote control. Details are an page five. Remove all obstacles between the remote control and the VCR.

#### Check the Child Lock. Details are an page 51. The VCR cannot be controlled.

- The Number buttons won't work for channels above 69.
- nel numbers as a three-digit number. Details are an page 23. Enter channel numbers as a two-digit number. If you want to select channels 100 and above, enter chan-

#### TY programs cannot be watched normally.

- Put the VCR in TV position. (Press the VCR/TV button so that the VCR light disappears from the display
- Check the connections between the VCR, TV, antenna/cable, and Cable Box/Direct Broadcast System (if panel.) Details are an page 27.
- Tape cannot be inserted. applicable). Details are an pages six-10.
- Insert the tape, window side up, with the record tab facing you.

# Helbful Hints (cont'd) 53

- Make sure a tape isn't already in the VCR by pressing the STOP/EJECT button on the VCR.
- Gently push on the center of the tape when putting it in the VCR. Never force the tape into the VCR.

If a timer recording is programmed and the VCR power is off, you can not insert a tape without a record

### Tape cannot be removed.

- Make sure the power plug is completely connected to a power outlet.
- turn off the power for your timer recording. You have set a timer recording. Turn the VCR power on, then eject the tape. Be sure to insert a tape and

#### turned off to set a timer recording. VCR ejects the tape when the REC(ord)/OTR button is pressed or when the VCR power is

Make sure the tape has a record tab. Details are on page five.

#### Poor reception

You may need to tune your TV again.

#### To enable the quick play mechanism, the cylinder will rotate for about five minutes. This is normal. The The motor (cylinder) rotates even when the VCR is in Stop mode.

Direct Broadcast System Hookups quick play mechanism allows the tape mechanism to switch from Stop mode to Play mode in one second.

- may have to set your TV to channel 03 or 04, then make your channel selections at the DBS. Details are Watching one TV channel while recording another may not be possible if you have a DBS hookup. You
- you will have to put your VCR in Line Input mode (channel 001 or 002). With many DBS hookups, if you use accessory audio and video cables to connect your VCR to your TV, ou bage uine.

## Line Input mode

Reverse engineering or disassembly is prohibited.

Hi-Fi Stereo Sound (VRB661 only) briefly), press the CH(annel) ▲/▼ button or use the Number buttons to select another channel. If you accidentally enter Line Input mode (AV FRONT or AV REAR will appear on your TV screen

- normal. During playback, Hi-Fi audio may temporarily revert to normal audio when you adjust tracking. This is
- (Auxiliary) Input mode. nect the AUDIO OUT jacks on the VCR to the AUDIO IN jacks on your TV, and if the TV is in Line • When connecting the VCR to a stereo TV, you will only get stereo sound if you use audio cables to con-
- light on the TV might not glow. But, as long as the status display indicates you are receiving a stereo sig-When you connect the AUDIO OUT jacks on the VCR to the AUDIO IN jacks on your TV, the stereo
- back in monaural audio. Only tapes recorded in Hi-Fi audio will play back in Hi-Fi audio. Tapes recorded in normal audio will play nal, you are receiving a stereo signal. This is normal.

#### Cleaning the Video Heads

video heads. Eventually, the heads may need to be replaced. become dirty. If so, use a commercially-available head cleaner or have an authorized servicer clean the Your VCR automatically cleans the video heads each time you insert a tape. However, the heads may

#### The playback picture is too dim, too bright, or fluctuates in brightness.

Discs (DVDs), as well as some programs broadcast by antennal cable (satellite television channels. copyright owners. This technology is used on programs that are recorded on video tapes or Digital Video Some programs may be broadcast with copyright protection technology in order to protect the rights of

home and other limited viewing uses only, unless otherwise authorized by Macrovision Corporation. this copyright protection technology must be authorized by Macrovision Corporation and is intended for other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of porates copyright protection technology that is protected by method claims of certain U.S. patents and Therefore, you should avoid recording or playing copies of copyright protected programs. This VCR incorprotected programs may have a picture that is dark or dim, or the brightness of the picture may fluctuate. tape that is a recording of a copyright protected program, the picture may not be clear. Tapes of copyright Programs broadcast with copyright protection technology may not record clearly, Likewise, if you play a

## 54 Glossary

AUDIO IN/OUT Jacks: jacks located on the front and back of the VCR which are used to record audio from another source (IN) or to send audio to another system (OUT).

or to send sudio to shother system (OOT).

The VRB461 has a single AUDIO IN jack on the front and back of the VCR. It has a single AUDIO OUT jack on the back of the VCR. The VRB661 has Right and Left AUDIO IN jacks on the front and back of the VCR. It has Right and Left AUDIO OUT jacks on the back of the VCR.

**Automatic Channel Setup:** process in which the VCR memorizes all available channels. Then, when you press the CH(annel) **▲**/▼ button, you only scan through channels you receive.

Bands: settings that allow you to tune channels.

• Antenna – VHF (very high frequency; channels 2-13) and UHF (ultra high frequency; channels 14-69).

(utr's rign irequency; crannels can be received without a Cable • Soble ... i'

Box. '

Cable Box/DBS Output Channel: 03 or 04.

**Dubbing:** copying a tape using a second VCR.

Frame: a still picture.

**HQ:** high quality; a feature in the VCR circuitry which provides enhanced picture detail.

Line Input: The channel to which you set your VCR during dubbing. If you use the AUDIO and VIDEO In jacks on the front of the VCR, select channel 002 (AV FRONT). If you use the AUDIO and VIDEO IN jacks on the back of the VCR, select 001 (AV REAR). If you accidentally enter Line Input mode, press the CH(annel) AVED button or use the Number buttons to select another channel.

**OTR:** One-Touch Recording; a timed recording that starts immediately and records for 30 minutes to eight hours.

**Remote Control:** the small electronic unit that came with your VCR; allows you to operate your VCR from a distance. You may be able to operate your TY, Cable Box, or Direct Broadcast System with the remote control.

**RF** coaxial cable: The cable supplied with your VCR. Use it to connect your VCR to your TV (or Cable Box or DBS). The supplied cable is a snap-on type. However, you may use a screw-on type if you prefer.

**Special Effects:** forward and reverse searching; a still picture; slow motion playback.

Tape Speeds: how fast the tape travels during a recording or play-

back.

• SP (standard play) – fastest tape speed (recording time for a

T120 tape is approximately two hours); best picture quality.

• LP (long play) – average tape speed; playback only.

• **SLP** (super long play) – slowest tape speed (recording time for a

TI20 tape is approximately six hours).

**VCR:** video cassette recorder.

VIDEO IN/OUT Jacks: jacks located on the front and back of the VCR which are used to record video from another source (IN) or to send video to another system (OUT).

```
Video Heads
Four heads – Hi-Fi (VRB661)
Four heads (VRB461)
```

Video Signal EIA standards; NTSC color

**Antenna** VHF/UHF - 75 ohm external antenna terminal

VHF Output Signal
Channel 03 or 04 (switchable)
75 ohms unbalanced

120V AC; 60Hz

Power Consumption 19W (VRB461) 18W (VRB461)

Operating Temperature 41°F (5°C) to 104°F (40°C)

valbionil ovitelo

Relative Humidity 10% to 80%

**VVeight** 5.3 lbs. (2.5 kg.) (VRB461) 5.3 lbs. (2.4 kg.) (VRB461)

(360mm × 92mm × 223mm)

(360mm × 92mm × 223mm)

Tuner Broadcast Channels VHF 2-13, UHF 14-69

Cable TV Channels

NOTE: Designs and specifications are subject to change without notice.

90 days Free Exchange / 91 days—One Year Reduced-Cost Exchange

although there may be a delay if the appropriate product is service organization will attempt to exchange the product,

#### **WAKE SURE YOU KEEP...**

and keep both nearby. Also keep the original box and packproof of date of purchase. Attach it to the owner's manual Please keep your sales receipt or other document showing

## BEFORE EXCHANGING THE PRODUCT...

save you time and money. product. Adjustments of the controls discussed there may Please check your owner's manual before exchanging the

#### PUERTO RICO, OR U.S. VIRGIN ISLANDS... TO EXCHANGE YOUR PRODUCT IN THE U.S.A.,

In the U.S.A., Puerto Rico, and U.S. Virgin Islands, all implied the next page. Covered" section, or refer to the exchange instructions on Follow the instructions stated previously in the "What is

ranty may last, this limitation may not apply to you. states do not allow limitations on how long an implied warto the duration of this express warranty. Because some and fitness for a particular purpose, are limited in duration warranties, including implied warranties of merchantability

#### Please contact Philips at: TO EXCHANGE A PRODUCT IN CANADA...

1-800-661-6162 (French Speaking)

1-800-363-7278 (English Speaking)

consequential damages, howsoever incurred, even if notified circumstances for any direct, indirect, special, incidental, or ness for a particular purpose. Philips is not liable under any including any implied warranties of merchantability or fitranties. No other warranties are expressed or implied, In Canada, this warranty is given in lieu of all other war-

Philips Service Solutions Group at 1-800-531-0039 to In the U.S.A., Puerto Rico, or U.S. Virgin Islands, contact TO GET OUT-OF-WARRANTY EXCHANGE... of the possibility of such damages.

REMEMBER... obtain the cost of out-of-warranty exchange.

registration card promptly. It will be easier for us to notify on the product. Also, please fill out and mail your warranty Please record below the model and serial numbers tound

you if necessary.

WODEF#

purposes (including but not limited to rental purposes). a product that is used for commercial or institutional

four, six, and eight hour VHS recorders.

that have not been tested and labeled for use in two,

damage caused by the use of non-VHS tapes or tapes or not copyrighted.)

limited to, prerecorded material, whether copyrighted

exclusion may not apply to you. This includes, but is not incidental or consequential damages, so the above product. (Some states do not allow the exclusion of

incidental or consequential damages resulting from the

aged by these modifications.

approved and/or authorized, or repair of products dam-

country for which it was designed, manufactured, enable it to operate in any country other than the a product that requires modification or adaptation to

or antenna systems outside the product.

reception problems caused by signal conditions or cable within the control of Philips Consumer Electronics.

use, accident, unauthorized repair or other cause not

product repair and/or part replacement because of misproduct.

installation or repair of antenna systems outside of the

adjustment of customer controls on the product, and

Your warranty does not cover:

labor charges for installation or setup of the product,

## WHAT IS EXCLUDED?

- ucts also expires.

original product expires, the warranty on all replaced prodperiod of the original product. When the warranty on the The replacement product is covered only for the warranty

exchange ends one year after the date of purchase. \$29.95 for a new or renewed product. This reduced-cost For an exchange during this warranty period you must pay

follow the exchange procedures set out on the next page. From 91 days to one year from the date of purchase, you must chased or through Philips. This exchange is made at no cost

MHO IS COVERED?

uct for a new product at the store from which it was pur-For 90 days thereafter, you may exchange the defective prod-Warranty coverage begins the day you buy your product.

proot. the date that you purchased the product is considered such your product. A sales receipt or other document showing

You must have proof of the date of purchase to exchange

ing material in case you need to return your product.

WHAT IS COVERED?

not readily available.

VIDEO CASSETTE RECORDER OF PLAYER

# Limited Warranty (cont'd) 57

# If your product is defective, you may be able to exchange it at the store from which it was purchased.

Most stores display a Return Policy, If not, ask the manager or sales associate how many days you have to exchange a product with them. After the store's return period has expired, you may exchange the product with Philips if you have your original sales receipt.

To exchange your product with Philips (per the warranty conditions stated previously), remember:

If you exchange the product within 90 days of the original purchase there is no cost to you

- If you exchange the product within 90 days of the original purchase, there is no cost to you.
   If you exchange the product more than 90 days after but less than one year after the day of
- If you exchange the product more than 90 days after but less than one year after the day of original purchase, your cost will be \$29.95.
- After 12 months from the day of original purchase, contact Philips Service Solutions Group at 1-800-53 1-0039
   If you do not have your original sales receipt, or if you have any questions, call Philips Service Solutions Group at If you do not have your original sales receipt, or if you have any questions, call Philips Service Solutions Group at
- 1-800-531-0039. Fo obtain a replacement product from Philips:
- To obtain a replacement product from Philips:

  I. Complete the Exchange Form below.
- 2. Pack the product and its accessories (remote control, rf coaxial cable, owner's manual, and car battery cord, if applicable), in the original box or a suitable alternative. You will receive replacement accessories with your
- replacement product. For packing details, call 1-800-531-0039.

  3. Put the completed Exchange Form, a copy of the original sales receipt, and the proper payment in an envelope. Do not staple or clip these items together. Label the envelope "Return Documents Enclosed." Place this envelope in the box with the product.
- 4. Seal the box with packing tape and return the product, insured and freight prepaid, to: Philips Consumer Electronics

El Paso Recovery Center

Suite A, 12375 Pine Springs Drive

El Paso, Texas 79927

A replacement will be sent to you via United Parcel Service (UPS) within 48 business hours of Philips' receipt of the product.

Sip Code:

:#.3qA

	Name:
nt should be delivered, no P.O. boxes allowed):	Your Address (street address to which replacemen

State:

City:

Check or mon	ey order
Method of Payment:	(Check one. Please, no cash or CODs.)
Payment Amount:	

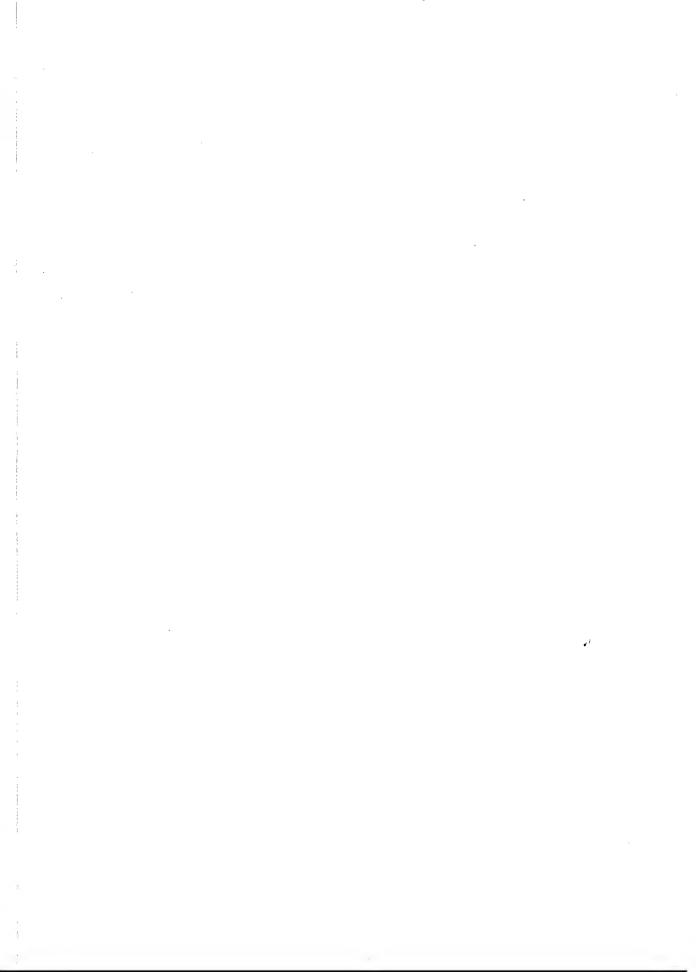
sture:		
Mastercard		
Novus/Discover	· · · · · · · · · · · · · · · · · · ·	
ssiV		<del></del>
American Express		
	Account number	Expiration d

Remember, the return box should include the following:

• Accessories supplied with the product, and

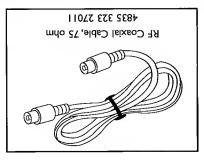
Completed Exchange Form and sales receipt, • Payment, if applicable.

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		4≥, ¿2£ qls	νithout cable box/dbs
	,	doitom45	with stereo ty10
ZS-9S	warranty	wols	hookups with cable box/dbs8-9
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<b>₽</b> 2 , \ <b>₽</b> , \Σ		sensor (remote)	helpful hintssznid lułqla
	video in/out jacks	84-74gnib10291	head cleaner3, 5, 53, 56
	vcr/tv button	84-74gniviəɔən	
	position	second audio broadcast	glossary54
	programming systei	Searchinggnin52	•
17 00	+sn <sub>l</sub> d	safety precautions3	front panel
0+ '+7 '77-17'			Z4, Z7, 45 dutton
	plus+/enter button	rf coaxial cabler. 6-9, 37, 54	
97		rew(ind)/◀ button24, 27, 45	eject button33
	motton	rerecording37	
CC 1	YCF	repeat play	Verication 75 duplication
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# SUPPLIED ACCESSORIES

are provided to help you use or set up your VCR. The following items are supplied with your VCR; they





## **OPTIONAL ACCESSORIES**

Philips Parts & Accessories Marketing Department To order these optional accessories, contact us at: VCR, but they are designed for use with your new VCR. The following additional items are not provided with your

Jefferson City, TN 37760 P.O. Box 555 401 East Old Andrew Johnson Highway

.2888-128-008-1



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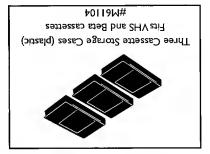


#M61105 (color-coded connectors) #M61106 (gold connectors)



41119W#





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